BHRUHAT BENGALURU MAHANAGARA PALIKE

“Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10 years.”

Office of the
Executive Engineer RI-TEC
Ground Floor, Annex 3 Building, NR Square, BBMP Head Office Premises
Bruhat Bengaluru Mahanagara Palike
Bengaluru

BRUHAT BENGALURU MAHANAGARA PALIKE

O/o Executive Engineer RI-TEC Division, Ground Floor, Annexe-3 building, N.R Square,
Bengaluru-560002.
Email Id:bbmpeetec@gmail.com

No: EE/TEC/TEND/ /2023-24
Dated: 16.10.2023

Short Term Tender Notification (Call 8)

(Through e-procurement portal- Two Cover System).

1. The Executive Engineer, RI-TEC, BBMP invites tenders For "Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10 years".
2. Tender documents may be downloaded from Government of Karnataka e-Procurement website https://eproc.karnataka.gov.in under login for Contractors as per prescribed date and time published in the portal. Only Interested Bidders who wish to participate should remit online transaction fee for tender after registering in the portal. The transaction fee is non-refundable.
3. The Service Provider will be selected based on Highest Bidder Procedures prescribed in the RFP.
4. Other details can be seen in the tender document.

Sl.No	Name of the Work	EMD (Rs in Lakhs)
1	"Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10 years".	Rs. 6.75 lakhs (Rs. one lakh through E-Procurement & remaining as specified in bid document)

Calendar of events:

- Availability of RFP document from 17.10.2023
- Last date for uploading queries on 25.10.2023 upto 15.00 Hours.
- Pre-Bid Meeting on 26.10.2023 at 16:00 Hours at the office of The Engineer In Chief, BBMP Head office Premises, 1st Floor, Annexe-2 Building, N.R Square, Bengaluru-560002.
- Last Date for receipt of Tenders on 03.11.2023 upto 16.30 Hours.
- Date of Opening of Technical bids on 04.11.2023 by 17.00 Hours.

General Conditions:

1. Any reputed firms/ Manufacturers/ Suppliers/ Companies/Consortium companies /Company registered under Companies Act 1956 are eligible to apply. If there is consortium, not more than three agencies / firm shall be allowed.
2. The Bruhat Bengaluru Mahanagara Palike reserves the right to accept / reject any or all the Tenders without assigning any reasons.
3. The Tender shall remain valid for 180 days from the last date of Submission of the tender.

4. The intending Suppliers are requested to note that they should abide by the detailed instructions and conditions contained in the Standard Tender documents.
5. Further details with respect to this tender can be obtained from the office of the undersigned on all working days between 10.00 A.M. & 5.00 P.M.
6. Corrigendum/modification/corrections, if any, will be published in the e-Procurement website only.

Copy Submitted to:

1. The Hon'ble Administrator for kind information.
2. The Chief Commissioner for kind information.
3. The Special Commissioner (Projects) for kind information.
4. The Engineer – in – Chief for kind information
5. The Chief Engineer Road Infrastructure for kind information.
6. The Super intending Engineer Road Infrastructure for kind information.
7. The CAO / Chief Auditor for kind information.
8. The IT Advisor with a request to publish the same in the BBMP Website.
9. PRO, BBMP with a request to publish the tender in leading Kannada & English Newspapers.
10. Notice board.
11. Office Copy.

Executive Engineer
RI-TEC Division
Bruhat Bengaluru Mahanagara
Palike

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SECTION I: INSTRUCTIONS TO BIDDERS

A. INTRODUCTION

Bruhat Bengaluru Mahanagara Palike (BBMP) is an Urban Local Body (ULB) which is responsible for the administration of the Bengaluru City region. BBMP is the fourth largest Municipal Corporation in India that is responsible for overall civic and infrastructural assets of Bengaluru. It is run by the city council and represents the third level of government. BBMP serves an approximate area of 825 sq. kms, and has an approximate population of 12 million and comprised of 8 zones with 243 wards.

BBMP has constructed Multi Level Parking Building to facilitate the parking for the commuters, which is located at Kalidasa Road, Adjacent to Freedom Park, back side of Y Ramachandra Road, Gandhinagara.

Objective

BBMP is on lookout for an established ICT based parking Management, bidder who will associate with the Organization to manage and support the implementation of Smart Parking Solution in BBMP. The solution should comprise of Hardware and Software both and it should work seamlessly in the centers even if the internet connectivity is intermittent. The successful bidder will be expected to provide the maintenance of developed parking slots and complete solution therein for 10 years.

B. CONTENTS OF BIDDING DOCUMENT

1. Scope of Bid As per General Condition of Contractor.

2. Payments

2.1. Payments to the BBMP will be made in accordance with Section VI GCC clause 13 and will be subjected in all respects to the terms and conditions of the Agreement. No party other than the supplier shall derive any rights from the Agreement.

3. Corrupt and Fraudulent Practices

3.1. The Government requires that Bidders/ Suppliers/ Contractors observe the highest standard of ethics during the execution of Government financed contracts. In pursuance of this policy, the Government:

a. Defines for the purposes of this provision, the terms set forth as follows:
   i. "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the contract execution; and
   ii. "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Government, and includes collusive practice among Bidders (prior to or after tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the Government of the benefits of free and open competition;

b. will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

c. will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Government financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government-financed contract.

d. Bidders should not be associated, or have associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Client to provide consulting services for the preparation of the design, specifications, and other documents to be used for the services procurement of services under this Invitation of Tenders.

4. Eligible Bidders,

4.1. The lead bidder/member should have experience of parking service/management to the Government organization in last 5 (five) Year.

4.2. The smart parking solution experience in private place like malls/airport/any other commercial places are also considered for this tender.

4.3. A Bidder must be Service provider either individual Agency/ Consortium Company having experience in the operation and maintenance of the Multi-level Parking facility by installing Smart solutions.in private place like malls/airport/any other commercial place

4.4. BBMP considers a conflict of interest to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations, and that such conflict of interest may contribute to or constitute a prohibited practice under **Corrupt and Fraudulent Practices**. In pursuance of these bidders, suppliers, and contractors observe the highest standard of ethics. BBMP will take appropriate actions, if it determines that a conflict of interest has flawed the integrity of any services. Consequently all Bidders found to have a conflict of interest shall be disqualified.' A Bidder may be considered to be in a conflict of interest with one or more parties in this bidding process if, including but not limited to:

- Have controlling shareholders in common; or
- Receive or have received any direct or indirect subsidy from any of them; or
- Have the same legal representative for purposes of this Bid; or
- Have a relationship with each other, directly or through common third parties, that puts them in position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of BBMP regarding this bidding process; or
- A Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which it is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one bid; or
- A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Equipment’s and services that are the subject of the bid".

4.2.1 The Bidder should submit a Power of Attorney as per the format at **Annexure-8,** authorizing the signatory of the Bid to commit the Bidder. In the case of a Consortium, the Members should submit a Power of Attorney in favor of the Lead Member as per format at **Annexure-9.**

4.2.2. In case the Bidder is a Consortium, it shall, comply with the following requirements:

(a) Number of members in a Consortium shall not exceed 3 (Three);

(b) Members of the Consortium shall nominate one member as the lead member (the “Lead Member”), the Bid should contain the information required for each member of the Consortium;

(c) The nomination(s) of the Lead Member shall be supported by a Power of Attorney, as per the format at **Annexure-9**, signed by the other member of the Consortium;

(d) The Bid should include a brief description of the roles and responsibilities of individual members, particularly with reference to financial and O&M obligations;

(e) An individual Bidder cannot at the same time be member of a Consortium applying for bid Further, a member of a particular Bidder Consortium cannot be member of any other Bidder Consortium applying for the bid;

(f) Members of the Consortium shall enter into a binding Memorandum of Understanding (the "Memorandum of Understanding" or "MOU"), for the purpose of submitting Bid and should submit the same along with the Bid. MOU should be specific to the Package and should fulfill the requirements set out below, failing which the Bid shall be considered non-responsive. MOU shall, inter alia:

i. Convey the intent of the members of the Consortium to enter into the Agreement in case the bid is awarded to the Consortium;
ii. The Lead Member would enter into the Agreement with BBMP on behalf of the members of the Consortium and subsequently carry out all the responsibilities as the Service Provider in terms of the Agreement;
iii. Clearly outline the proposed roles and responsibilities of each member of the Consortium;
iv. Include a statement to the effect that all members of the Consortium shall under the Agreement, be liable jointly and severally for all obligations of the Service Provider in relation to the bid..

(g) MOU entered into, between the members of the Consortium shall be specific to the project and should contain the above requirements, failing which the Proposal shall be considered non-responsive and liable for rejection.

(h) Any entity which has been barred by the Central/ State Government, or any entity controlled by it, from participating in any project (BOT or otherwise), and the bar subsists as on the date of Bid, would not be eligible to submit a Bid, either individually or as member of a Consortium.

(i) A Bidder including any Consortium Member should, in the last 1 (one) years, have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Bidder, Consortium Member, as the case may be, nor has been expelled from any project or contract by any public entity nor have had any contract terminated by any public entity for breach by such Bidder, Consortium Member.

(j) In computing the Technical and Financial Capacity of the Bidder under Section III, the Technical and Financial Capacity of the Bidder(s)/Members of consortium would be considered. Experience of associate company/parent company/ subsidiary company shall not be considered for qualification purposes.

(k) The following conditions shall be adhered to while submitting the Bid:

I. Bidders should attach clearly marked and referenced continuation sheets in the event that the space provided in the prescribed forms in the Annexures is insufficient. Alternatively, Bidders may format the prescribed forms making due provision for incorporation of the requested information;

II. Information supplied by the Bidder (or other constituent Member if the Bidder is a Consortium) must apply to the Bidder named in the Bid and not, unless specifically requested, to other associated companies or firms.

III. In case of a Consortium one of the member should satisfy the financial turn over criteria's as lead member and should have a minimum of 100.00Lakhs in any of the two years over the last 5 years.

IV. Notwithstanding anything to the contrary contained herein, in the event that the Bid Due Date falls within three months of the closing of the latest financial year of a Bidder, it shall ignore such financial year for the purposes of its Bid and furnish all its information and certification with reference to the 5 (five) years, preceding its latest financial year. For the avoidance of doubt, financial year shall, for the purposes of a Bid hereunder, mean the accounting year followed by the Bidder in the course of its normal business.

(l) Change in Consortium

The Authority restricts a change in control of a Consortium; the Bidder is not allowed to change the composition of the Consortium during the Bidding Process and Lock in period for all such consortium shall be minimum 1 year from the date of signing of agreement. In the event of dispute between the consortium members which hampers the work, change in Consortium is allowed with the prior permission of BBMP & in the event of change of consortium the lead member shall continue to be lead member at all time during the period of agreement, otherwise it would, notwithstanding anything to the contrary contained in the Agreement, be deemed to be a breach thereof, and the Agreement shall be liable to be terminated without the Authority being liable in any manner whatsoever to the Service Provider. In such an event, notwithstanding anything to the contrary contained in the Agreement, the Authority shall forfeit and appropriate the Bid Security or Performance Security, as the case may be, as mutually agreed genuine pre-estimated compensation and damages payable to the Authority for, inter alia, time, cost and effort of the Authority, without prejudice to any other right or remedy that may be available to the Authority hereunder or otherwise.

5. Clarification of Bidding Documents

5.1. A prospective Bidders requiring any clarification of the Bidding documents may write queries and upload in the e-procurement Portal or communicate to the O/o Executive Engineer(RI-TEC), Ground Floor , Annex-3 Building, N R Square, Bengaluru-02. The Client will respond to any request for clarification of the tender documents which it receives before pre bid meeting and same shall be uploaded in the e-procurement portal.

5.2. BBMP is not responsible for the completeness of the Bidding Document and its addenda if they were not issued directly from BBMP.

5.3. The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document. Failure to furnish all information or documentation required by the Bidding Document may result in the rejection of the Bid.

6. Amendment of Tender documents

6.1. Before the deadline for submission of tenders, the BBMP may modify the bidding documents by issuing addendum.

6.2. Any addendum thus issued shall be part of the tender documents and shall be communicated through e-procurement portal and will be binding on them.

6.3. To give prospective Bidders reasonable time in which to take an addendum into account in preparing their tenders, the BBMP shall extend as necessary the deadline for submission of tenders.

C. PREPARATION OF TENDERS

12. Cost of Bidding

7.1 The Bidders shall be accompanied by Bid processing fee for the specified amount mentioned in the e-procurement portal. The supplier/manufacturer can pay the Bid processing fee in the e-procurement portal using any of the following payment modes.

- Credit card
- Direct debit
- National Electronic Fund Transfer (NEFT)
- Over the counter (OTC)

7.2 For details, registration and e-payment, visit GOK e-Procurement website https://eproc.karnataka.gov.in

13. Language of Tender

8.1 The bid prepared by the Bidder as well as all correspondence and documents relating to the tender exchanged by the Bidder and the Client, shall be in English language. Supporting documents and printed literature

furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Tender, the translation shall govern.

14. Documents Comprising the BID

9.1. The Bid shall comprise three envelopes submitted online simultaneously, one containing the requisite EMD as per ITB clause-20 and second containing Technical Proposal and the third Price bid (Online only), The bidder pay the EMD through e-payment under any one of the four options, through Credit card, direct debit, National Electronic Fund Transfer (NEFT), Over The Counter (OTC) and the confirmation receipt shall be submitted along with the tender. And, copy of technical documents. Price Bid/ financial offer should be submitted online, in case of manual submission of Price Bid, it will be rejected.

9.2. Technical Proposals will be opened online the specified address, date and time. The Price Proposals shall remain sealed and will be held in custody on online portal. The Technical Proposals will be evaluated. No amendments or changes to the Technical Proposals will be permitted once bid get validated online. Technical Proposals, which does not conform, to the specified requirements will be rejected as deficient Bids.

9.3. Price Proposals of technically qualified Bidders will be opened online as per key dates at the specified date and time. The Price Proposals will be evaluated and the Contract will be awarded to the Bidder who's Bid has been determined to be the highest evaluated substantially responsive Bid.

9.4. The Technical Proposal shall contain the following:

- Technical Proposal Submission Sheet;
- Written confirmation authorizing the signatory of the Bid.
- Documentary evidence establishing the Bidder's eligibility to bid.
- Documentary evidence that the Equipment's and Related Services confirm to the Bidding Document;
- Information in Appendix's of Technical proposal Submission Sheet
- Documentary evidence establishing the Bidder's qualifications to perform the contract.
- Manufacturers authorization if applicable
- Power of Attorney for signing of Bid
- Memorandum of Understanding in case of Consortium
- Any other document required as per the Bid Data Sheet and Tender.

9.5. The Price Proposal shall contain the following:

Price Proposal Submission Sheet filled online only.

10. Bid Submission Sheets and Price Schedules

11.1. The Bidder shall submit the Technical Proposal and the Price Proposal online using the appropriate Submission Sheets furnished in Bidding Forms. These forms must be completed without any alterations to their format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.

11.2. The Bidder shall submit, as part of the Price Proposal, the Price Schedules for Equipment's and Related Services, according to their origin as appropriate, using the forms furnished online

12. Alternative Bids

12.1. Alternative bids shall not be considered**.**

13. Bid Prices

The prices quoted by the Bidder in the Price Proposal Submission Sheet and in the Price Schedules shall conform to the requirements specified in the tender.

13.1. A Bid submitted with an adjustable price quotation shall be treated as nonresponsive and shall be rejected.

14. Currencies of Bid

Bidprices shall be quoted in the Indian Rupees.

15. Documents Establishing the Eligibility of the Bidder

15.1. To establish their eligibility Bidders shall:

a. Complete the eligibility documents as required**.**

16. Documents Establishing the Conformity of the Bidding Document

16.1. To establish the conformity to the Bidding Document, the Bidder shall furnish as part of its Technical Proposal the documentary evidences.

16.2. The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed description of the essential technical and performance characteristics demonstrating substantial responsiveness of the Services to those requirements.

16.3. Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by Bidder in the Schedule of Supply, are intended to be descriptive only and not restrictive**.**

17. Documents Establishing the Qualifications of the Bidder

17.1. To establish its qualifications to perform the Contract, the Bidder shall submit as part of its Technical Proposal the evidence indicated for each qualification criteria specified in Evaluation and Qualification Criteria.

18. Period of Validity of Bids'

18.1. Bids shall remain valid for the period of 180 days after the bid submission deadline date prescribed by BBMP. A Bid valid for a shorter period shall be rejected by BBMP as non-responsive.

18.2. In exceptional circumstances, prior to the expiration of the bid validity period, BBMP may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing. If validity of their Bids is extended the Earnest Money Deposit (EMD) shall also be extended for a corresponding-period. A-Bidder may refuse the request without forfeiting its Earnest Money Deposit (EMD). A Bidder granting the request shall not be required or permitted to modify its Bid.

19. Earnest money deposit (EMD)

19.1. The Bidder shall furnish, as part of his tender, earnest money deposit in the amount as specified. This earnest money deposit shall be in Indian Rupees and payment to be made through e-payment under any one of the four options, through Credit card, direct debit, National Electronic Fund Transfer (NEFT), Over The Counter (OTC) and the confirmation receipt shall be submitted along with the tender.

19.2. The earnest money deposit shall be denominated in Indian Rupees and shall:

a. At the bidder's option, minimum of Rs. 1,00,000/- to be paid through the e-payment and balance be in the form of either a letter of credit, a demand draft, or a bank guarantee from a nationalized/Scheduled Bank located in India; The original copy of the a letter of credit, a demand draft, or a bank guarantee shall be submitted to this office after closing of tender but before opening the technical bid. Even the bidder has to upload the above document as a part of technical bid document in e procurement portal.

b. Be substantially in accordance with one of the form of earnest money deposit approved by the Client prior to tender submission;

c. Be payable promptly upon written demand by the Client in case any of the conditions listed are invoked;

d. Be submitted in its original form; copies will not be accepted; and

e. Remain valid for a period of 90 days beyond the original validity period of tenders, or beyond any period of extension subsequently requested

19.3. The Earnest Money Deposit (EMD) of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder furnishing the Performance Security.

19.4. The Earnest Money Deposit (EMD) of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required Performance Security.

19.5. The Earnest Money Deposit (EMD) may be forfeited:

a. If a Bidder withdraws its Bid during the period of bid validity

b. If the successful Bidder fails to:

i. Sign the Contract

ii. Furnish a Performance Security

iii.

20. Format and signing of Tender

20.1. All pages of the Bid shall be signed by the person signing the Bid. Bidder has to scan these original documents and upload at appropriate place on the online portal.

20.2. Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

D. SUBMISSION AND OPENING OF BIDS

21. Sealing and Marking of Bids

21.1. "Technical proposal, EMD submission details along with full EMD requisites" should be submitted online as well as a hard copy of the same without changing the content to be submitted to the office of Executive Engineer (RI-TEC) within one working day after bid submission date, "Price Proposal" should be submitted online only.

22. Deadline for Submission of Bids

22.1. Bids must be uploaded no later than the date and time indicated in online notice at the online portal.

22.2. BBMP may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Document as addendum, in which case all rights and obligations of BBMP and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

23. Late Bids

23.1. Online portal shall not allow the bidder to bid after the specified time and hence bidders should take extra care of the timings of the bid submission.

24. Withdrawal, Substitution, and Modification of Bids

25.1 On the online portal bidders are allowed to withdraw, substitute, or modify its Bid before the final submission time. A Bidder will not be allowed to withdraw, substitute, or modify its Bid after the scheduled submission time.

25. Bid Opening

25.1. The technical proposal will be opened online as well as hard copy as per schedule time and date and Price proposal of only technically qualified bidders shall be opened.

25.2. Price proposals will be opened online only.

E. EVALUATION AND COMPARISON OF BIDS

26. Confidentiality

26.1. Information relating to the examination, evaluation, comparison, and post qualification of Bids, and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process until information on Contract award is communicated to all Bidders.

26.2. Any attempt by a Bidder to influence BBMP in the examination, evaluation, comparison, and post qualification of the Bids or Contract award decisions may result in the rejection of its Bid.

27. Clarification of Bids

27.1. To assist in the examination, evaluation, comparison and post-qualification of the Bids, BBMP may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder that is not in response to a request by BBMP shall not be considered. BBMP request for clarification and the response shall be in writing or through e mail. No change in the prices or substance of the Bid shall be sought, offered, or permitted.

28. Responsiveness of Technical Proposal

28.1. BBMP determination of the responsiveness of a Technical Proposal is to be based on the contents of the Technical Proposal itself.

28.2. A substantially responsive Technical Proposal is one that conforms to all the terms, conditions, and specifications of the Bidding Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:

a. Affects in any substantial way the scope, quality, or performance of the Related Services specified in the Contract; or

b. Limits in any substantial way, inconsistent with the Bidding Document, BBMP rights or the Bidder's obligations under the Contract; or

c. If rectified would unfairly affect the competitive position of other Bidders presenting

d. Substantially responsive Technical Proposals

29. Nonconformities, Errors, and Omissions

29.1. Provided that a Technical Proposal is substantially responsive, BBMP may request that the Bidder submit the necessary information or documentation, within a reasonable of Price Proposals on the following basis:

- If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected.
- If there is a discrepancy between words and figures, the amount in words shall prevail.

30. Preliminary Examination of Bids

30.1. BBMP shall examine the Technical Proposal to confirm that all documents and technical documentation requested have been uploaded on online portal, and to determine the completeness of each document submitted.

30.2. BBMP shall confirm that the following documents and information have been provided in the Technical Proposal. If any of these documents or information is missing in the uploaded documents on the online portal, the offer shall be rejected.

- Technical Proposal Submission Sheet.
- Written confirmation of authorization to commit the bidder.
- Earnest Money Deposit (EMD).

31. Examination of Terms and Conditions; Technical Evaluation

31.1. BBMP shall examine the Bids to confirm that all terms and conditions specified in Bid Document have been accepted by the Bidder without any material deviation or reservation.

31.2. BBMP shall evaluate the technical aspects of the Bid submitted in accordance to confirm that all requirements specified in Schedule of Supply of the Bidding Document have been met without any material deviation or reservation.

31.3. If, after the examination of the terms and conditions and the technical evaluation, BBMP determines that the Technical Proposal is not substantially responsive it shall reject the Bid.

32. Right to Accept Any Bid, and to reject any or All Bids

32.1. BBMP reserves the right to accept or reject any Bid, and to annul the bidding process and reject all Bids at any time prior to Contract award, without thereby incurring any liability to the Bidders.

F. AWARD OF CONTRACT

33. Award Criteria

33.1. BBMP shall award the Contract to the Bidder whose offer has been determined to be the highest evaluated Bid and is substantially responsive to the Bidding Document, provided further that the Bidder has remained qualified to perform the Contract satisfactorily.

34. Right to Vary Quantities at Time of Award

34.1. At the time the Contract is awarded, BBMP reserves the right to increase or decrease the quantity of Equipments and Related Services originally specified in Bid document, provided this does not exceed the 25 percentage, and without any change in the unit prices or other terms and conditions of the Bid and the Bidding Document**.**

35. Notification of Award

35.1. Prior to the expiration of the period of bid validity, BBMP shall notify the successful Bidder, in writing, that its Bid has been accepted.

35.2. Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.

36. Signing of Contract

36.1. Promptly after notification, BBMP shall send to the successful Bidder the Agreement.

36.2. Within fifteen (15) days of receipt, the successful Bidder shall sign the agreement and return it to BBMP.

37. Performance Security

37.1. Within 15 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit (Refundable without Interest) in any of the forms given below for an amount of Rs

50,00,000/- (Rs Fifty Lakhs Only) valid for every 3 (Three) years and subsequent renewal till the end of contract period plus 6 months.

- Fixed Deposit
- Demand Draft
- Bank Guarantee

37.2. Failure of the successful Bidder to submit the Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Earnest Money Deposit (EMD). In that event BBMP may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by BBMP to be qualified to perform the Contract satisfactorily.

SECTION II – BID DATA SHEET (BDS)

A. INTRODUCTION	
1.	Executive Engineer, RI-TEC, on behalf of Chief Commissioner, BBMP here by invites sealed bids from competent bidders For Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10 years..
B. BIDDING DOCUMENT	
2.	All correspondence, collection and submission of Bidding document is to be made to the O/o Executive Engineer, RI-TEC BBMP.
	Clarification may be obtained prior the pre bid meeting as per the schedule.
C. PREPARATION OF BIDS	
3.	The language of the Bid is English. Response to the bids in English.
4.	Alternative Bids are not permitted.
5.	The prices quoted by the Bidder shall be: fixed.
6.	The currency of the Bid shall be: Indian rupees.
7.	The bid validity period shall be 180 days.
8.	Bidder may contact the officials at BBMP to get any other information about the equipment's and vehicles required.
D. SUBMISSION AND OPENING OF BIDS	
9.	Only one Bid is to be submitted by each bidder. Technical and financial bid should be submitted online.
10.	The written confirmation of Authorization of manufacture to sign.
E. EVALUATION, AND COMPARISON OF BIDS	
11.	Bidders are allowed to quote price in Indian Rupees only.

F. AWARD OF CONTRACT	
12.	BBMP shall award the Contract to the Bidder whose offer has been determined to be the highest annual amount and is substantially responsive to the Bidding Document.

SECTION III – EVALUATION AND QUALIFICATION CRITERIA

This Section complements the Instructions to Bidders. It contains the criteria that the Client may use to evaluate a bid and determine whether a Bidder has the required qualifications. No other criteria shall be used.

A. EVALUATION CRITERIA

BBMP will evaluate and compare bids on the basis of price quoted by the eligible bidders to arrive at the highest cost and the methodology/presentation covering the operations strategy.

1. Technical Criteria

1.1. The minimum technical level of Services offered by the bidder shall comply with the minimum acceptable level and specification for each criteria enumerated in the Schedule of Supply.

The non-compliance of the minimum acceptable criteria shall make the bidder’s bid as non-substantive. Whenever possible, these criteria will be evaluated on a pass-fail basis.

2. Economic Criteria

2.1. Adjustment for Deviations from the Terms of Payment

Deviations from the Terms of Payment are not permitted.

2.2. Omissions or Missing Items:

The cost of omissions or missing items in the scope of supply, services, etc. would be not be considered. Bids offered for part scope of work from one lot shall be rejected.

2.3. Local Handling and Inland Transportation

Cost on Installation of Smart solutions (software and hardware components) shall be included in the PRICE. These costs will be taken into account during bid evaluation. If a Bidder fails to include such costs in its bid, it will be considered as included in his bid price bid.

3. (i) Shortlisted Service Provider may associate with other shortlisted **ServiceProvider:No**

(ii) The minimum number of key professional staff months required for theassignmentfor each shift are:

1	Engineer/Technician for (Fire Fighting/HVAC/ Solar/STP)	1 each or Multi-disciplinary
2	Supervisors	3
3	SecurityHeadwithStaff	12
4	Ticketissuer	6
5	Housekeeping Staff for parking and Ground Floor including protest area.	5+5

NOTE:Aboveshownisonlyminimumtentative&shoulddeploythe required additional staffto overall supervision& Management.

(a) The minimumrequiredexperienceofproposedkey professional staff is:

1. **Engineer/ Technician for(Fire Fighting/ HVAC/ Solar /STP) :-** This isimportant assignment and shall be responsible for overall maintenance &properfunctioningofFireFighting/Lifts/HVAC/Solar/SewerageTreatment Plant, etc. He/they should have experience in above &**Shouldhave 2Years'experience of similarnature work.**
2. **Supervisor:** This is the senior position engaged for the assignment. Theteam leader shall be responsible for overall performance of the ServiceProviderfortheproject.ThisincludesOverseeing,Controllingthemovementofvehicleswithinbuilding,Maintaining&operatingthemetering system, Overall maintenance of building including Firefighting,lifts, Water Supply, Toilets, Housekeeping, etc. A graduate degree havingminimumexperienceof5years.Heshouldhaveexperiencein,coordinating and leading the complete management of parking system &workedas**SupervisorShouldhave2Years'experienceofsimilarnaturework.**
3. **SecurityHeadwithStaff:**Shouldbevisible,Securespremisesandpersonnelbypatrollingproperty;monitoringsurveillanceequipment;inspectingbuildings,equipment,andaccesspoints;permittingentry.
   Obtainshelpby soundingalarms. Preventslossesand damage byreportingirregularities;informingviolatorsofpolicyandprocedures; restrainingtrespassers.
   Controlstrafficwithinpremisesbydirectingdrivers.
   Completesreportsbyrecordingobservations,information,occurrences,andsurveillanceactivities.
   Maintainsenvironmentbymonitoringandsettingbuildingandequipmentcontrols.
   Maintainsorganization'sstabilityandreputationbycomplyingwithlegal requirements. Ensures operation of equipment by completing preventivemaintenancerequirements;followingmanufacturer'sinstructions;troubleshootingmalfunctions;callingforrepairs;evaluatingnew equipment and techniques. Contributes to team effort by

accomplishingrelated results as needed. He should be responsible for overall safety.Agraduate degree having minimum experience of 5 years. He should haveexperience as **Security Head Should have 1 Years' experience of similarnaturework.**

4. **Ticket issuer**:Greeting passengers and customers that approach theircounter. Answering questions regarding dates, prices, and availability ofslots and Helping customers if any. **Should have 1 Years' experience ofsimilarnature work.**
5. **HousekeepingStaff: Dustingandpolishingfurnitureandfixtures.Cleaning and sanitizing toilets, etc. Sweeping/ vacuuming, polishing,and mopping hard floors by using any cleaning equipment such asvacuums,mops,andothercleaningtools.Cleaningmirrorsand other glass surfaces. Emptying trash receptacles and disposing of waste asper norms.Replacementsor anynecessaryrepairswithpriorapprovalofClient. Shallhaveminimum 1 years'experienceinrelevantfields.**

(vi) Reports which are part of the assignment must be written in English only.

4. The numberofpointstobegiven undereachofthe evaluation criteriaare:

		Points
(i)	SpecificexperienceoftheServiceProvidersrelatedtotheAssignment	25
(i)	Equipment and softwaretobeused	05
(iii)	Adequacy of the proposed work plan and methodology in responding to the TOR	25
(iv)	Qualifications and competence of the key professional staff For the Assignment	40
(v)	Local office inBengaluru	05
	TotalPoints**:**	**100**

The number of points to be given for qualifications and competence of the keyprofessional stafffor the assignmentare:		Points
(i)Generalqualifications	30	30
(ii)workinginsimilar projects		60

(iii)Experienceinregion&language 10

TotalPoints: **100**

Theminimum technicalscore requiredto pass is: 75Points

5. The address forCorrespondence is:

Executive Engineer RI-TEC Division, Ground Floor, Annexe-3 building, N.R Square, Bengaluru-560002

B. QUALIFICATION CRITERIA

1. Financial Criteria:

The Bidder's average turnover in any three years of last five (5) financial years shall be as following:

Sl. No	Description of services	The Bidder's average turnover in any three years of last five (5)financial years **(Rs in Lakhs)**	**Liquid assets and or availability of credit facilities of not less than (Credit lines/ Letters of Credit/ Certificates form Banks) for meeting the fund requirement etc. (Rs in Lakhs)**
1	**Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10 years.**	720.00	108.00

Note: **Financial Turnover of the Previous Years shall be given a Weightage of 10% per year to bring them to the Price Level of 2022-23. In support of this, the Service Provider shall furnish the Certificate from Chartered Accountant along with the Technical Proposal.**

1.1. The Bidder is to submit audited statements of accounts for the last five (5) years, along with its bid as per **Annexure 5**. The Bidder has to submit a certificate from registered charted accountant on Average Turnover for last 5 years along with accounts and certified balance sheet certified by a registered chartered accountant supported by copies of tax returns or the last five (5) years, along with its bid. In the

event that the BBMP in the Bidder's audited statement notes consistent losses or the risk of insolvency, the Bidder may be disqualified. Where necessary, BBMP will make enquiries with the Bidder's Bankers.

1.2 In case of a Consortium, the combined Technical Capacity and Financial Capacity of the Lead Member and the other member of the Consortium will be considered.

1.3 The Bid must be accompanied by the Audited Annual Reports of the Bidder (of each Member in case of a Consortium) for the last financial year, preceding the year in which the Bid is made

Bidder type	**Net Worth**	**Annual Turnover for past three years**		
	Year 1	**Year 1**	**Year 2**	**Year 3**
Single entity Bidder/ Lead Member				
Other Member of Consortium 1				
Other Member of Consortium 2				
Other Member of Consortium 3				
Total				

2. Experience Criteria

2.1. The Bidder shall submit the data and information along with the work order, completion certificate and reference on past performance etc. required to demonstrate that the Bidder meets the minimum criteria as per chart attached**.**

Sl.No	**Description of services**	**Qualification and Experience Criteria in Last 5 years ending on the deadline for bid submission**
1	Similar Nature of Work	Service Provider firm should have satisfactorily installed, commissioned and maintained smart solution in the Parking facility to any Government, Local bodies or private places like Mall, Commercial spaces in India. In support of this, the Service Provider shall furnish a Certificate duly certified by the Competent Authority with the Technical Bid.

2	Work Experience	Service Provider firm should have carried out maintaining minimum of 223 Two Wheelers and 278 Four Wheelers capacity of the MLCP. This criteria may be considered for the multiple projects (MLCP) by adding up the total of all projects.

- Details should be furnished along with performance letter & Agreement copy.
- The bidder is to certify that he will be able to demonstrate that he will be able to manage MLCP
- If necessary, BBMP will inspect these MLCP to verify the claim of the bidders.
- International experience shall be valid if relevant certificates are attached.

C. The bidder shall submit the Presentation covering the operation strategy based on the scope of work propose by the client.

[Location, Date]

SECTION IV

A. TECHNICAL PROPOSAL SUBMISSION FORM

From:

[Name and Address of Firm]

To:

EXECUTIVE ENGINEER
RI-TEC Ground Floor, Annex-3 Building,
NR Square, BBMP head office premises,
Bruhat Bengaluru Mahanagara Palike, Bengaluru.

Sir,

Subject:

"**Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10**

years.

We, the undersigned, offer to provide the services for the above in accordance with your Tender dated *[Date],* and our Proposal. We are hereby submitting our Proposal, which includes this Technical Proposal, and a Financial Proposal submitted under e-procurement website.

If negotiations are held during the period of validity of the Proposal, i.e., before *[Date]* we undertake to negotiate on the basis of the proposed staff. Our Proposal is binding upon us and subject to the modifications resulting from contract negotiations.

We understand you are not bound to accept any Proposal you receive.
We remain,

Yours sincerely,

Authorized Signature:
Name and Title of Signatory:
Name of Firm:

Address:

B. (DETAILS OF TURNOVER)

Average Annual Turnover Proposal Submission Sheet		
Sl. No	**Year**	**Turnover (Indian Rupees)**
1	2020-21	
2	2021-22	
3	2022-23	
	Average	

C. (DETAILS OF LITIGATION / ARBITRATION AND OTHER CLAIMS)

Sl. No	Year	Name of the Employer	Matter of dispute	Disputed amount in Rs.	Whether the award was for or against the firm or pending

Bidder must not hide any information regarding litigation or blacklisting otherwise legal action may be initiated in case of wrong information submitted by the bidder.

SECTION V – SCHEDULE OF WORK

A. Background

BBMP is desirous of obtaining services for "Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10 years".

The site selected for Parking system implementation is located in the Gandhinagar Area of Bengaluru city. Multi Level Car Parking (MLCP) is located at Kalidasa Road, Adjacent to Freedom Park, back side of Y Ramachandra Road Details of parking at MLCP are as below.

Basement Floor	**Parking Capacity**	
	Two Wheeler	Four Wheeler
-1	445	118
-2	-	219
-3	-	219
Total	**445**	**556**

Facilities and Amenities • Separate Entry and Exit • RCC Structure • Adequate circulation (HVAC) , firefighting and safety measures • 2 no. of Stair Case (1 Emergency Exit) to access the open park for parking space. • Four no. of Lifts • Pump Room and water storage tank • Building Management services & security Room/Ticketing Room • Toilet Facility • Electrical (Solar Energy) & UPS Room.

B. Scope of Work

1. Develop a user-friendly smart parking system that can be implemented in parking lots to ease parking hassles;
2. Availability of parking slot on real-time through web portal/parking App and optimization of parking lot occupancy.
3. Real-time update of entry & exit of vehicle, parking violations.
4. Generate revenues through enhanced efficiency and transparency.
5. Improved user satisfaction by saving time, effort & cost.
6. Availability of real-time data for analysis and business Intelligence for understanding consumer behavior, parking demand and supply.
7. To provide digital experience to the citizens.
8. Dissemination of emergency and critical information to mass in a fraction of second.
9. Leverage the platform to complement the mass notification strategy.

The solution shall include provisions for the following category of parking reservations:

a. **Category A: Walk-in Parking** This category includes motorists who enter a parking lot without any prior booking. This category of motorists may be provided a QR Coded ticket, or any other advanced technology as deemed fit by Operator.

ii. Category B: Online reservation for booking of a Parking Slot Interested motorist will be allowed to book a parking slot in any of the parking lot through Mobile Application and Smart Web Portal. The user shall be charged for pre-booking a slot. If the motorist does not show up for one hour (time shall be adjustable as per requirement of BBMP) after the pre-booked time slot, the reservation can be reassigned. This category of motorists may be identified through a Unique Booking

Number or a Quick Response (QR) Code or any other advanced appropriate technology as deemed fit by Operator.

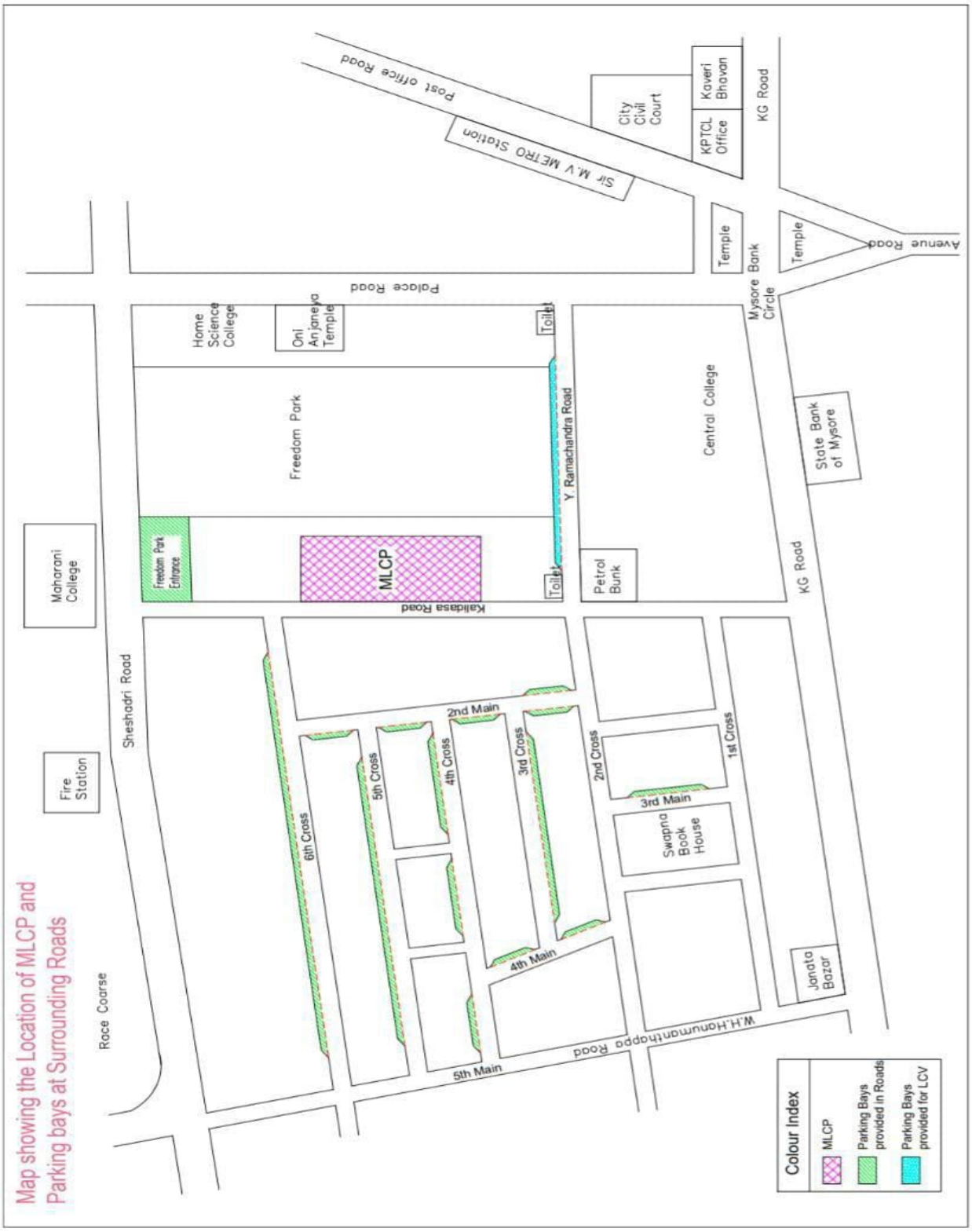
iii. Category C: Pass-based Parking (Monthly pass) There will be a provision for users to buy monthly passes for Parking lots for hassle free experience. This category of motorists may be identified through a Unique Booking Number (UBN)/Near-Field Communication (NFC) enabled Smart Card, or any other advanced appropriate technology as deemed fit by the Operator.

a. **Category D: Night Parking from 10:00pm to 02:00 am** The Operator has to run the parking lots at least from 8:00 hours to 24:00 hours. BBMP reserves the right to ask Operator to run any parking facility beyond 24:00 hours as per requirement. Motorists should be allowed to avail night parking services for their vehicles at designated parking lots. The Operator shall display information about the same at mobile app; web portal and LED display angels prominently.

C. Smart Parking Solution

1. Provide and install necessary complete hardware and software solutions, such as but not limited to boom barriers, handheld devices, porta-cabin/workstation, switches, gateway, and guidance system, for parking system.
2. Provide Parking Management System and Parking Guidance System to direct and inform drivers regarding available parking slots through LED Signage and mobile app. Provide and install necessary infrastructure guidance to public regarding availability of parking spaces and other necessary information.
3. To provide and install necessary complete hardware and software solutions, such as but not limited to boom barriers, handheld devices, porta-cabin/workstation, switches, gateway, and guidance system, for parking system
4. Installation of CCTV based surveillance solution for parking lots for monitoring of infrastructure, assets inside the parking and quick response to incidents in all parking lots.
5. Setup and maintenance of Central Control Room/helpdesk including Data Centre (preferably on cloud) with appropriate hardware and software for viewing, analyzing, storing and retrieval of the CCTV feed and monitoring and managing of Smart
6. Mobile App for parking services. App shall show the available slot on real time basis, booking of parking space, payment mechanism through various modes of payment, facility for extension of pre-booked parking space.
7. Comprehensive operation and maintenance of all hardware and software installed for this project throughout O&M period. To manage and collect revenue as per tariff fixed by BBMP for all the parking lots defined in this TENDER
8. Unique identification of each vehicle entering any of the parking lots through bar coded tickets/ magnetic strip cards/ RFID/ Smart Cards/ QR Coded entry etc. as applicable
9. Provide recognition of each parking slot with LED indicators for Indoor parking showing availability of parking slot. Maintenance and up gradation of Parking Guidance & Management Infrastructure at 42 mentioned Parking locations. Using the data generated through the parking solution software for analytics purposes, such as time based (hourly/ daily/weekly/monthly/ annually) trends, area specific trends vehicle, specific trends, usage and vacancy periods, parking demand etc. for the purpose of better management of parking.

a. **SKETCH SHOWING THE LOCATION MLCP.**



1. Schedule of Work

The Tenderer shall perform the principal services outlined below as a part of responsibility for the services of the work. They shall provide the qualified professional staff with relevant experience to carry out the assignment. The Services will include but not limited to the following:

- The Service provider/ bidder should go through the Technical Requirements & Specifications attached at the end Annexure-H before participating in this Tender.
- The Service provider should check the location of the Parking building to ensure himself that all the criteria are looked into before applying/participating for tender.
- The Service Provider should install all the required Hardware, Software & other equipment's at the parking locations within a period of one month time from the date of handing over of site / work order (Commencement Order).
- Maintain and manage all hardware, software and services covered in this TENDER document throughout the contract period.
- The bidder shall carry out necessary electrification and networking work for all smart parking solution devices / equipment, such as LED signages including sensors, boom barriers, handheld device, manual pay station, CCTVs, Central Control Centre, built / installed under this TENDER document including operation & Maintenance for the contract period.
- Watch and ward of the assets/ services created in this project. The Operator has to replace the material(s) / equipment(s) /device(s) in case of any theft or loss due to any other reasons, which affects the services/assets under this project.
- To provide FTTH /RF/Wi Fi connection at each of the parking lot to bring (i) parking related data on real-time basis; and (ii) CCTV data on demand basis, online to the Central Control Room throughout the Contract period of project, at his cost
- Erect suitable steel structures if required at its own cost for installation of LED signage for smart parking system. These structures/ poles shall be of stainless steel, and aesthetically designed and structurally stable and as per BBMP specifications. The Operator shall also indemnify BBMP for any damage due to such structures.
- BBMP will be the owner of all dismantled existing equipment from the parking lots and all such equipment shall be handed over to BBMP, not later than a fortnight from date of such dismantling.
- Provide adequate power back up to ensure uninterrupted power supply to all hardware (equipment, devices, etc.) covered under this TENDER document.
- All physical assets created under this TENDER will become the property of BBMP at the end of Contract period or at termination of the Contract, whichever is earlier, and the Operator will not have any legal right on these assets.
- At the end of the Contract period, the Operator has to hand over all physical assets belonging to parking locations in proper working condition. In case of any deficiency noticed at the time of such handing over, the Operator has to get it rectified at his own cost within 15 days of such handing over. Performance guarantee of Operator will be released only after successful handing over of the all-physical assets in working condition to BBMP.
- Service Provider, with concurrence of client shall convene periodical meetings between different divisions of BBMP to discuss, prepare and finalize collection programme prior to the commencement of work.
- BBMP shall furnish for the use of the Service Provider all necessary data as required for setting out of all permanent and temporary works.
- BBMP shall inspect and evaluate all Service Provider's installations, to ensure compliance with the terms and conditions of contract.
- Service Provider shall study all drawings, Contract Agreement, Specifications etc. and ensure implementation at site.
- **PARKING CHARGES (including GST& all other taxes) to be collected should not exceed the below mentioned Rates. The Parking rates shall be reviewed with BBMP after Five years with the prevailing rates and rates may be revised accordingly with prior approval of BBMP.**

Sl No.	Duration (Hrs)	Charges Two Wheelers (Rs)	Parking charges Three/Four Wheelers (Rs)
1	0 to 1	15	25
2	1 to 2	25	40
3	2 to 4	40	65
4	4 to 6	55	90
5	6 to 8	70	115
6	8 to 10	85	140
7	10 to 12	100	165
8	12 hours to 24 hours and Above	100+ (Total Hr-12Hr) X 7.5	165+ (Total Hr-12Hr) X 12.5
9	Monthly pass charges per car is Rs. 3500 (Car Registration Number and validity has to be mentioned on the Pass)		
10	Monthly pass charges per Two-Wheeler is Rs. 2500 (T/W Registration Number and validity has to be mentioned on the Pass)		

- The Service Providers representatives shall be responsible for overall monitoring of the parking activity in the said sites and shall be available at site everyday (including nights in shifts)
- Shall be responsible to deploy requisite number of qualified and experienced personnel (including the operating staff for Fire safety, Public Address & Alarming System) at site on full time basis to supervise the day to day activity of parking and also shall be responsible for monitoring of the vehicles movement as per specifications and standards.
- Shall ensure that all instructions to the Service Providers will be issued in the form of letter written by officer in charge to the Service Provider or site instructions to the Service Provider written by officer in charge or his representative in site instructions book. They shall maintain the record of all such instructions for verification at every time.
- Services for the parking of the vehicle, collection of prescribed & displayed parking fee, Management of traffic within the parking area, arrangement of security personnel for round the clock for security purposes of men and vehicles.
- Ensure that no illegal / obnoxious activities etc., should be allowed by controlling the entry and exit of the vehicles after a thorough scientific check. Any such activity or lapse found during the contract period, the contracting agency will bear the sole responsibility and BBMP will neither have any say in the court of the law nor responsible.
- Should install Public Address System, CCTV cameras for the purpose of safety & security check, in coordination with Building Contractor before actually commencing the parking services.
- To maintain the existing Diesel Generators in working condition at all point of time in case of failure of power supply, etc.
- The contracting agency shall not modify or damage any part of building & fully responsible for any damages, losses etc. of the parked vehicles. Any damage to other services arising due to installation or execution or repair or maintenance work by the Operator, shall have to be made good by the Operator within 72 hours of such damage, failing which Penalty at the cost of3 times the repair charges will be levied on Service Provider for any damage. BBMP is in no way responsible for such damage/losses.

- The parking area (MLCP) should be kept open for 24x7 with proper security personnel.
- Documentation of all events by providing CCTV's for security purpose and related matters during the period, which has to be shared to BBMP on every month at its own cost.
- Service Provider shall maintain all the toilets including the toilets & bathrooms in hygienic condition & should keep the access to toilet & bathrooms for commuters free of cost. Accessible toilets to physically challenged persons by providing additional supporting bars & ramps at his own cost for users to grab and hold during transfers, if necessary.
- Service Provider should engage sufficient workers with supervisors to clean all the Toilets & Bathrooms 2 times a day on daily basis with required cleaning agents/ chemicals and maintain a log book as record to be produced to BBMP as & when required. Any lapse found in maintaining the cleanliness & hygienic conditions at Toilets & Bathrooms will lead to termination of this Contract.
- Terrace Floor (Ground floor) space is reserved by BBMP. Service Provider is not authorized/permitted to use this space.
- BBMP reserves the right to use or rent out the terrace of the building to any third party.
- BBMP shall provide time assistance and directions to the Service Provider in all matters related to the interpretation of the Contract.
- House-Keeping Services: To provide an administrator and skeleton support staff to manage the up-keep and housekeeping for, and to take care of cleaning of the Parking Facilities.
- Maintenance Services: To provide manpower support to take care of preventive maintenance.
- Service Provider shall ensure all the safety norms as per Government directions like Fire safety, Safety of Workers & general public, Vehicles, etc. are adhered to with proper Insurance Policies at the building at the premises throughout the Contract Period.
- Service provider should disburse salaries/ payments / DA / VDA / ESI / PF to its employees as per relevant labor laws & other applicable law /rules. Deposit the requisite benefits to concerned departments like, ESI, PF, etc. in time. All details to be submitted to BBMP every month.
- No advertisements should be displayed within or outside or on Compound wall of the Building.
- The Usage of space in the and outside pertaining to Advertisement lies with BBMP.
- Should not Sub-let the premises to other agency or persons.
- Safety of the building, vehicles, people including its employees during the period of contract is the sole responsibility of Service Provider. Any damage / injury shall be repaired / compensate the same at Service Providers own cost with penalty as decided by BBMP (excluding the cost of repair).
- The integrated data available from all software applications from parking solution proposed should be available in a central database on a central server located at BBMP data center. The data should be stored in such a way that whenever required it can be queried and made available in report format.
- Procurement, installation, configuration, Operating System, Database Licenses, hardening of server infrastructure (e.g. CPU, operating system, RAM, storage, etc.) that will host the software application should be provisioned by the selected bidder. BBMP will provide only necessary rack space at BBMP Datacenter. Necessary network infrastructure within BBMP Datacenter will also be provided by BBMP. The hardware infrastructure should be able to sustain required load and should support all functional as well as non-functional requirements.
- Service Provider should ensure submission of security audit certificate and security audit reports for the developed portal, Mobile App and other software. The audit has to be carried out by any of the Agencies like ST&QC, ETDC, CERT-In, Min of Electronics & Information Technology (GOI) or any other Agency which BBMP decides.

- Service provider has to install a kiosk (cabin)at the entry and exit of the MLCP to facilitate the ticket issuer to operate.
- Bidder will be responsible for maintenance of the systems/ devices/ equipment /work carried out as part of this TENDER throughout the contract period.
- The Bidder will be responsible for all civil and installation work related to network connectivity, power supply extensions to devices, installation of devices and equipment, and any other networking, communication, and infrastructure requirements related to any work under this TENDER document.
- The Bidder will be required to make the insurance of the entire parking software / hardware for Contract period.
- Provide adequate battery bank / UPS to ensure uninterrupted power supply to all hardware (equipment, devices, etc.) covered under this TENDER document.
- Informative Display Panels should be installed at all entry points (every floor in case of multilevel car park) of the parking lot indicating available spaces for each parking level, total parking and should be able to be customized by software. The display panel should be easy to understand and must have graphical directional and zone status indication (as red crosses for zone full or green directional arrows to guide drivers to zones with available spaces).
- The Parking Management System should retain videos of car entering/exiting the parking zone for a period of previous Six Months at any point of time. However, he shall preserve the data in the form of Hard Disc / Cloud storage for the whole contract period.
- User shall have the multiple payment options as given below.
    - Primary mode of payment for parking will be by cash at the Pay Station
    - Payment Card (ATM / Debit / Credit Card)
    - All online mode of payment such as Paytm, Google Pay, PhonePe, whatsapp pay or any other online payment method.
    - RFID tags (Future state requirement, solution should have RFID natively integrated and shall only require additional hardware to make it fully functional)
- Service Provider should remit the bid amount& other payments like Solar power Charges, Penalties, Cost of repairs to Damages, etc., to BBMP in the form of DEMAND DRAFT drawn in favor of Chief Commissioner, BBMP, Bangalore, payable at Bangalore in advance as per his quoted price. Delay in depositing the payment/charges collected to BBMP will attract an interest of 2% per day of the amount.
- If the Service Provider fails to perform as per the terms & conditions or fails to pay the above amount / Charges even after THREE REMAINDERS it may be noted that tender will be terminated and the damages/arrears will be recovered at risk and cost of the Service Provider from the Performance Security deposit amount.
- Service Provider shall carry out joint inspection with BBMP before the end of Contract period and take remedial measures for defects discovered if any, and to correct them and handover the site in correct manner back to BBMP along with PA System, CCTV installation, Control Room arrangements and records stored there on for a sufficient period. BBMP will not pay any extra cost for this.
- Service Provider should not carry any other activity in the building without prior permission of BBMP.
- Liquefied Petroleum Gas: The use of LPG or any other combustible material is not permitted in the building.
- Should ensure that all doors/fixtures are maintained in good repairs, particular attention must be paid to self-closing fire smoke check doors and automatic fire/doors/rolling shutters/Gates.
- No provision for alterations in building in any manner.
- Should ensure that all Firefighting, Solar Panels, HVAC, Sewage Treatment Plant (STP), Plumbing, electrical and mechanical service equipment’s are operated &maintained in good working condition at all times with qualified technicians.

Annual Maintenance Contract with reputed Agencies (Govt. certified) can be entered at own cost of Service Provider for maintenance of such specialized services with due approval of BBMP.

- The installed Parking management equipment's and related software are to be periodically checked and verified by BBMP IT office or any other agency suggested by BBMP.
- Should carry all routine & periodical maintenance as per the National Building Code, Indian Standard Codes, Maintenance Manuals, Latest updated Orders/ circulars, etc. of Fire Fighting, Solar Panels, HVAC, Sewage Treatment Plant (STP), Plumbing, electrical and mechanical service equipment's. In case of any damage or repair to any of above equipment/ pipes, it has to be carried out by the Service Provider at his own cost & restore the facilities within 3 days.
- Should maintain all the equipment like Wet Riser, Down Comer, Hose Reel drill, Automatic Sprinkler System, Yard Hydrant, U.G. Tank with Draw off Connection, Terrace Tanks, Fire Pump, First Aid Fire Fighting Appliances, Auto Detection System, Manual operated Electrical Fire Alarm System, Public Address System with talk back facility, Emergency Lights, Auto D.G. Set, Illuminated Exit Signs, Means of Escape, MCB /ELCB, Fire Man Switch in Lift, Hose Boxes with Delivery Hoses and Branch, HVAC equipment, STP Equipment, Lifts, Solar Panels equipment, & all other equipment, etc. Should replace the above before expiry of same at his own cost.
- This Building has the self-Solar Energy generating system which has capacity of 500 kW which to be used for the Building requirements. The network will be connected to the BESCOM GRID for giving / sharing the surplus power to BESCOM. Hence, the Service provider has to pay the Electricity Charges actually consumed to BBMP as per the BESCOM tariff. This may vary according to BESCOM terms & conditions. BBMPs decision is binding on Service Provider.
- BBMP & BESCOM will enter the agreement as per the norms for sharing the surplus power to BESCOM GRID. Any charges/ Subsidy so obtained will be the asset of BBMP.
- Service Provider can obtain any other civic facility like Water, Internet, etc. from the concerned departments with prior approval of BBMP by paying the requisite fee. The usage charges have to be borne by Service Provider.
- Service provider is fully responsible for the salary, EIC, PF and other statutory facilities according to labor rules and other law to be provided to the staffs/employees deployed to Parking maintenance services, such as Engineer/ Technician for (Fire Fighting/ HVAC/ Solar /STP/MEP), Supervisors, Security Head with Staff, Ticket issuer, Housekeeping Staff, Accounts Staff or any other required staff.
- Service provider has to provide minimum **Five year warranty** on the all Equipment's provided for the services as prescribed in this TENDER& maintain the same till the end of Contract period.
- Service Provider Shall makes necessary arrangement regarding no parking on roads within 4sq.km from MLCP in consultation with local traffic Police authorities. BBMP will co-ordinate for the same.
- Service provider should provide in his own cost and risk sufficient number of mini electrical buses/any other mode of transport for the service of commuters of MLCP for their drop and pick up from their work spot/shopping malls within the radius of 2 kms from MLCP.
- The EMD and Performance security amount will return to service provider after end of contract period. The equipment and software installed have to be working satisfactorily. If equipment and software is found faulty / not operational then the service provider has to repair the faulty equipment and software in his own cost and BBMP will not give any extra amount for this.
- The equipment installed by Service Provider will be the property of BBMP after the end of Contract period.
- Ensure that Cars / Scooters etc. to have seamless access (Entry /Exit) & are parked systematically in neat rows. It is advisable to mark parking lines on the ground in

the parking areas in the building including basements and in the parking bays of streets with proper numbering with sensors. A parking attendant must ensure that vehicles are parked in an orderly manner and that the vehicles do not encroach upon the open space surrounding the building / Fire Drive way.

- Marking & numbering have to be clearly visible on the each slot of vehicle in the MLCP Parking Bays for accountability.
- **Smoking Restrictions**: Smoking shall be prohibited throughout the building easily readable “NO SMOKING” signs must be conspicuously posted at locations where they can catch the eye. Each sign must also include a pictograph with illumination.
- Storage of flammable substances, such as diesel oil, gasoline, motor oils, etc. is not allowed anywhere within the building.
- Preparation of tea and warming of food must be prohibited throughout the building.
- Use of candles, Lanterns or other naked light flame must be forbidden throughout the building.
- A sign shall be posted and maintained on every floor at or near the lift indicating that in case of fire, occupants shall use the stairs unless instructed otherwise. The sign shall also contain a plan for each floor showing the location of the stairways / Fire Escape route.
- A satisfactory supply of water exclusively for the purpose of firefighting shall always be made available in the underground static storage tank. To prevent stagnation of water in the static water tank the suction tank of the domestic water supply shall be fed only through an over flow arrangement to maintain the level therein at the minimum specified capacity
- **CONTROL ROOM:** Should establish a Control Room, with communication system (suitable public address system), to all floors and facilities for receiving the message from different floors. Details of all floor plans along with the details of firefighting equipment and installation shall be maintained in the Control Room. CCTV monitoring system displaying visuals of all floors in Control Room for security point of view to be installed.
- **FIRE DRILLS AND FIRE ORDERS** The guidelines for fire drill and evacuation etc. as per National Building Code (NBC) has to be carried out. The periodical inspections & NOC has to be obtained from Karnataka Fire &Emergency authority from time to time at his own cost.
- **Provision of Automatic Number Plate Recognition/License Plate Recognition (LPR) Should be provided**–License Plate Recognition system consists of a “frame-grabbing instrument” capable of capturing an image, searching for a number plate’s position within the image, and subsequent singling out of the relevant symbols with the aid of optical character reading (OCR) tools, which translate the image pixels to be provided. Also the LPR should be Web-based software product for vehicle license plate recognition from various video sources, such as IP cameras, video files, video capture devices and custom video sources (plugins). The fast and stable LPR engine provides accurate plate detection from real-time video with resolution up to 1920x1080 (Full HD) and it should be support Indian plate formats. The data to be retained, not to disclose the privacy and to be shared only with BBMP every month without any extra cost.
- **Payment mode for parking charges** –Cash payment method, online mode of payment, App based mode of payment options should be provided to parking consumers for making payment to parking fee. Also payment through Fast-tag facility to be provided.
- **Vehicle parking info Web**–The Web portal should be developed and adopted. Web support should give the data that exists on web of all car parking information and it shall be able to extract like Data import, Data export, Data Privacy, Data storing, etc.,. This data should be retained, not to disclose the privacy, to be shared only with BBMP every Month.
- **Crime Prevention Techniques** –Should be ensuring that there is no Crime things have been happened inside the premises. Service provider is fully responsible for any such activity. Responsible for and provide security at the parking lots, and shall report crimes in parking lots to Police and BBMP without fail

- **Pre-Booking/Seasonal parking:** Depending upon the need facility for pre-booking in the seasons like daily basis / weekly basis / monthly basis (Pass) / holidays shall be adopted with latest online facilities and manual / app based facility.
- **Service Provider should satisfy himself with the Equipment / Machineries/ Assets present in the Building as per AS-BUILT drawings& take over the custody. Further, hand over the same to BBMP after the end of Contract in good & working condition. Any lapses / damage will be recovered from the Security deposit.**
- For any complaint registration by users, provisions shall be made by the Operator in Mobile App and web portal. The Operator shall provide a weekly report to the BBMP, every Monday on the number of complaints received during the previous week (Monday to Sunday) and the number of replies furnished by it to the complainants along with the number of complains on which no response has been made by the Operator.
- If the Operator allows and charge or do parking at the places except the parking lots, a penalty as provided under Penalty Clause shall be imposed on the Operator. Traffic Police may also impose penalty on the Operator, if applicable. Traffic Police/ BBMP reserves the right to tow away vehicles parked at such unauthorized places at the cost of the Operator.
- The Operator can honor or dis honor the passes issued by BBMP, for parking the vehicles of BBMP, Govt. or any other local bodies. If operator honors, such non-charging of parking fees by the Operator shall have no interference on Contract fees to be paid by the Operator to the BBMP, and the Operator cannot make any claim on the account of no charging of parking fees from such vehicles.
- The Operator shall integrate the parking mobile app and portal on the BBMP Command & Control Centre and migrate the whole content/database of app. The Operator shall also integrate the parking mobile app and the web portal with the BBMP App as and when such app is launched by the BBMP by itself or through any other Operator.
- Mark all the boundaries of each parking slot in all the parking lots under this TENDER document with thermoplastic paint of 2.5 mm thickness and 100mm width as per PWD specifications and renew/remark the same after every 2 years or earlier as per site requirement at his own cost.
- The Operator shall be responsible for any theft/damage/loss of vehicles parked in parking lots and shall be responsible for settlement of the dispute, if any, including under the Court of Law, and also follow all instructions and guidelines issued by Police / statutory rules & regulations/ BBMP for prevention of misuse of parking lots, including usage by anti-social elements, terrorist(s) etc.
- Undertake all measures for Cyber security, protection of information and communication technology systems of this project from cyber-attacks that are purposeful attempts by unauthorized persons to access ICT systems in order to achieve the target of theft, disturbance, damage, or other illegal actions.
- The Operator will detect analysis and do mitigation of vulnerabilities and protect Control Centre room including Data Centre from cyber-attacks throughout the Contract period.
- Propose additional measures to increase occupancy of parking lots. However, the Operator will be required to take approval from BBMP before implementation of any measures to improve the parking efficiency.
- Ensure at all times that the parking lots are utilized by two wheelers only, but no cars, cabs, heavy or medium commercial vehicles are parked in the specified parking lots.
- Responsible for and provide security at the parking lots, and shall report crimes in parking lots to Police and BBMP without fail.
- The Operator is not allowed to sublet/outsource the parking lots under this TENDER. However, the Operator can arrange manpower from any source.
- The Operator shall inform the BBMP in writing, list of all the assets (details of equipment, software's, services etc.) deployed in the parking facility under this TENDER document, including their costs. The operator shall update such assets list

on yearly basis throughout the Contract period.

- **Functional, Technical requirements & Specifications of** Equipment to be installed by Service Provider at MLCP.

The services of key personnel shall be available full time during the entire contract period from commencement of work and up to settlement of final claims of the contracting agency. Curriculum Vitae (CV) recently signed by the proposed key professional staff and also by an authorized official of the Consultancy Firm shall be scanned and uploaded along with the Technical Bid.

2. SPECIFIC RESPONSIBILITIES OF THE TENDERER

1. Documents

The BBMP shall provide to the Service Provider, the copies of all data & reports available which are considered relevant to the execution of Service Provider's work and liaison with other departments for access of information and data.

2. Liaison and Access

The BBMP shall provide liaison with other Government agencies and Departments for only the introduction of the Service Provider. BBMP will only coordinate with Service Provider for arranging unhindered access to the relevant agencies / Departments in order to complete the task successfully.

3. Schedule for completion of tasks.

The Contract services shall be for 10 years which may be extendable up to a period of another 12 months or so as required by BBMP based on mutual consent.

4. Payments to BBMP

Payments to the BBMP will be made in accordance with Section VI, GCC clause 13 and will be subjected in all respects to the terms and conditions of the Agreement. No party other than the supplier shall derive any rights from the Agreement.

a. Non performance of Services – levying of penalty & termination

For nonperformance of services a penalty will be levied on the service provider at minimum 0.1% per day on annual bid amount.. Further, the contract will be terminated and the damages, arrears will be recovered at risk and cost of the Service Provider from the deposit amount.

Total failure on the performance of services will render forfeiture of the Performance Security Deposit and action will be initiated as per Conditions of Contract.

4. OBLIGATIONS OF THE CLIENT

5.1 Documents

The BBMP shall provide the Service Provider with copies of all data and reports available which are considered relevant to the execution of Service Provider's work and liaison with other departments for access of information and data

5.2 Liaison and Access

The BBMP shall provide liaison with other Government agencies and Departments for the introduction of the Service Provider. The Service Provider shall be given unhindered access to the relevant agencies / Departments in order to complete the project successfully.

5.3 DISPUTES, IF ANY: Dispute if any, between the client and the Service Provider, the decision of the Chief Commissioner, BBMP, Bangalore is final and binding on both the Client and Service Provider.

SECTION VI – GENERAL CONDITIONS OF CONTRACT

1. Definitions

a.4 The following words and expressions shall have the meanings hereby assigned to them:

a) "Contract" means the Agreement entered into between BBMP and the Successful bidder, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.

b) "Contract Documents" means the documents listed in the Agreement, including any amendments thereto.

c) "Contract Price" means the price payable to the Successful bidder as specified in the Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.

d) "Day" means calendar day.

e) "Completion" means the fulfillment of the Services by the Successful bidder in accordance with the terms and conditions set forth in the Contract.

f) "GCC" mean the General Conditions of Contract.

g) "Services" means the services incidental to the operation and maintenance and other similar obligations of the Successful bidder under the Contract.

h) "SCC" means the Special Conditions of Contract.

i) "Successful Bidder" means the Individual or a consortium company or a combination of the above, whose bid to perform the Contract has been accepted by BBMP and is named as such in the Agreement, and includes the legal successors or permitted assigns of the Successful bidder.

2. Contract Documents

Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.

3. Corrupt and Fraudulent Practices

The Government requires that Bidder/ Suppliers/ Contractors observe the highest standard of ethics during the execution of Government financed contracts. In pursuance of this policy, the Government:

a) Defines for the purposes of this provision, the terms set forth as follows:

i "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and

ii (ii)"fraudulent practice" means a misrepresentation of facts in order to influence a the execution of a contract to the detriment of the Government, and includes collusive practice among Bidders (prior to or after tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the Government of the benefits of free and open competition;

b) Will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

c) Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Government financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government-financed contract. 2.1Minimum eligibility criteria for participation in the bids are:-

Bidders should not be associated, or have associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Client to provide consulting services for the preparation of the design, specifications, and other documents to be used for the services under this Invitation of bids

4. Interpretation

4.1 If the context so requires it, singular means plural and vice versa.

4.2 Entire Agreement

The Contract constitutes the entire agreement between BBMP and the Successful bidder and Supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.

a.4 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is
dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party there to.

4.4. Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

5 Language

The Contract as well as all correspondence and documents relating to the Contract exchanged by the Successful bidder and BBMP, shall be written in English language. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in English language, in which case, for purposes of interpretation of the Contract, this translation shall govern.

The Successful bidder shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

6 Joint Venture, Consortium or Association

Joint venture, consortium, are allowed as per the clause ITB 4

7 Notices

Any Notice given by one party to the other pursuant to the Contract shall be in writing. The term “in writing” means communicated in written form with proof of receipt.

A Notice shall be effective when delivered or on the Notice’s effective date, whichever is later.

8 Jurisdiction

For all legal matters Jurisdiction shall be Bengaluru only.

9 Scope of work

The Services mentioned in the bid document.

Unless otherwise stipulated in the Contract, the Scope of Supply shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Delivery and Completion of the Equipment’s and Related Services as if such items were expressly mentioned in the Contract.

10 Delivery

The Installation of Smart Solutions and Completion of the Related Services shall be in accordance with the Delivery and Completion at BBMP

11 Successful bidder Responsibilities

The Successful bidder shall Operation and Maintenance Services included in the Scope of work in accordance with O &M Schedule of work.

12 Contract Price

Prices charged by the Successful bidder for the Services performed under the Contract shall not vary from the prices quoted by the Successful bidder in its bid.

13 Terms of Payment

- The minimum Annual Amount (including GST & all other taxes) payableto BBMP is fixed at **Rs.1,50,00,000/- (Rs. One Crores fifty lakhs only)for first five years, Rs.1,65,00,000/-(Rs.One Crores sixty-five Lakhs only) for 6th year, Rs.1,80,00,000/-(Rs.One Crore Eighty Lakhs only) for 7th year, Rs.2,00,00,000/-(Rs.TwoCrores only) for 8th year, Rs.2,20,00,000/-(Rs.Two Crores Twenty Lakhs only) for 9th year and Rs.2,40,00,000/-(Rs.Two Crores Forty Lakhs only) for 10th year.** Hence, the competing Tenderer should quote more than the minimum amount fixed. The quoted price shall be inclusive ofGST, servicetax/othertaxes.

- Service Provider has to pay Annual Amount payable to BBMP in the form of DEMANDDRAFT(asstatedabove)theagreedbidamount in 4 equal installments of the particular year at the end of each quarter.Delayinpaymentwillattractaninterestof 12%perannum.IftheServiceProvider fails to pay the money even after three remainders (Notices),the contract will be cancelled athis risk and cost of Service Provider.All the deposits will be forfeited.

14 Taxes and Duties

For equipment's/ Machineries installed, the Successful bidder shall be entirely responsible for all taxes (inclusive of GST), duties, Registration charges, license, Annual Insurance fees, Road tax and etc., incurred during the operation and maintenance period.

The bidders needs to quote the cost as per the present prevailing taxes, However if there is any change in the tax rate (During the period between signing of agreement and completion of project) either increase or decrease BBMP will pay or deduct the difference amount.

15 Performance Security

Within 15 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit (Refundable without Interest) in any of the forms given below for an amount of Rs 50,00,000/- (Rs Fifty Lakhs

Only) valid for every 3 (Three) years and subsequent renewal till the end of contract period plus 6 months.

- Fixed Deposit
- Demand Draft
- Bank Guarantee

The proceeds of the performance security shall be payable to the Client as compensation for any loss resulting from the Successful bidder 's failure to complete its obligations under the Contract.

The Performance Security shall be denominated in Indian Rupees and shall be in one of the following forms:

a) A Bank guarantee or irrevocable Letter of Credit, issued by a Nationalized/Scheduled bank in the form provided in the tender documents or another form acceptable to the Client or
b) A cashier's cheque or Banker's certified cheque, or crossed demand draft or pay order drawn in favour of the Client.; or

The Performance Security will be discharged by the Client and returned to the Successful bidder not later than 60 days following the date of completion of the Successful bidder's performance obligations, including any Warranty obligations, under the Contract.

In the event of any contract amendment, the Successful bidder shall, within 20 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract as amended for 60 days after the completion of performance obligations including Warranty obligations.

16 Copyright

The copyright in all drawings, documents, and other materials containing data and information furnished to BBMP by the Successful bidder herein shall remain vested in the Successful bidder, or, if they are furnished to BBMP directly or through the Successful bidder by any third party, including Successful bidder's of materials, the copyright in such materials shall remain vested in such third party.

17 Confidential Information

BBMP and the Successful bidder shall not misuse documents, data, and other information received from the Successful bidder for any purposes related to the Contract.

18 Subcontracting

The Successful bidder is not allowed to subcontract.

19 Specifications and Standards

Technical Specifications

The Successful bidder shall ensure that the Equipment's and Related Services comply with the technical specifications and other provisions of the Contract. The Equipment's and Related Services supplied under this Contract shall conform to the standards mentioned Schedule of Work and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate.

20 Insurance

The Successful bidder has to do insurance of all the equipment, Also the insurance to the MLCP shall be made by Successful Bidder during the Operation and Maintenance period.

21 Inspections and Tests

The Successful bidder shall carry out all tests and/or inspections of the equipment's by Govt. Authorized Quality inspection agencies.

22 Liquidated Damages

a. **For Operation & Maintenance:** In case of a Service Provider Event of Default or non – performance of its obligations, the Service Provider shall pay to BBMP liquidated damages, as set out in **Section IX.**

23 Warranty

The Successful bidder warrants that all the necessary Equipment's are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

The Successful bidder further warrants that the Equipment's shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal conditions.

The warranty shall remain valid for twelve (12) months after the Equipment's or any portion thereof as the case may be, have been delivered to and accepted at the final destination, or for eighteen (18) months after the date of shipment whichever period concludes earlier.

BBMP shall give Notice to the Successful bidder stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof arising under this warranty.

Upon receipt of such notice, the Successful bidder shall, **within the period specified in the SCC,** and with all reasonable speed, repair or replace the defective Equipment's or parts thereof, free of cost at the ultimate destination. The Successful bidder shall take over the replaced parts/ Equipment's at the time of their replacement. No claim whatsoever shall lie on the Client for the replaced parts/ Equipment's thereafter. In the event of any correction of defects or replacement of defective material during the Warranty period, the Warranty for the corrected or replaced material shall be extended to a further period of 12 months.

If the Successful bidder, having been notified, fails to remedy the defect(s) **within the period specified in the SCC,** BBMP may proceed to take such remedial action as may be necessary, at the Successful bidder risk and expense and without prejudice to any other rights which the BBMP may have against Successful bidder under the Contract.

24 Limitation of Liability

Except in cases of gross negligence or willful misconduct:

Neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Successful bidder to pay liquidated damages to BBMP; and

a) The aggregate liability of the Successful bidder to BBMP, whether under the Contract, in tort, or otherwise, shall not exceed the amount specified in the SCC, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Successful bidder to indemnify BBMP with respect to patent infringement.

25 Force Majeure

The Successful bidder shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that it’s delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Successful bidder that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Successful bidder. Such events may include, but not be limited to, acts of BBMP in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

If a Force Majeure situation arises, the Successful bidder shall promptly notify BBMP in writing of such condition and the cause thereof.

26 Extension of Time

If at any time during performance of the Contract, the Successful bidder should encounter conditions impeding timely completion of Installation of Smart Solutions Services, the Successful bidder shall promptly notify BBMP in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Successful bidder notice, BBMP shall evaluate the situation and may at its discretion extend the successful bidder time for performance, in which case the extension shall be ratified by the parties by amendment.

Except in case of Force Majeure, a delay by the Successful bidder in the performance of its Delivery and Completion obligations shall render the Successful bidder liable to the imposition of liquidated damages, unless an extension of time is agreed upon.

27 Termination

Termination for Default

a) BBMP, without prejudice to any other remedy for breach of Contract, by Notice of default sent to the Successful bidder, may terminate the Contract in whole or in part:
   i. If the Successful bidder fails to deliver any or all of the services within the period specified in the Contract, or within any extension thereof granted by BBMP.
   ii. If the Successful bidder fails to perform any other obligation under the Contract.

b) In the event BBMP terminates the Contract in whole or in part, BBMP may procure, upon such terms and in such manner as it deems appropriate, Services similar to those undelivered or not performed, and the Successful bidder shall be liable to BBMP for any additional costs for such similar Equipment's or Related Services.

c) If the Successful bidder, in the judgment of BBMP has engaged in corrupt or fraudulent practices, in competing for or in executing the Contract.

Termination for Insolvency

BBMP may at any time terminate the Contract by giving Notice to the Successful bidder if the bidder becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Successful bidder, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to BBMP.

Termination for Convenience

a) BBMP, by Notice sent to the Successful bidder, may terminate the Contract, in whom i.e. or in part, at a time for its convenience. The Notice of termination shall specify that termination be for BBMP convenience, the extent to which performance of the Successful bidder under the Contract is terminated, and the date upon which such termination becomes effective.

28 Assignment

Neither BBMP nor the Successful bidder shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

SECTION VII – SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract (SCC) shall supplement the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

Sl.No.	Special Conditions of Contract
1	Upon installation of the Equipment's the Successful bidder shall notify BBMP and send the following documents to BBMP: 3 copies of the Successful bidder's invoice showing the description of the equipment quantity, unit price, and total amount; (a) Manufacturer's or Supplier's warranty certificate; (b) Inspection certificate issued by the Govt or BBMP nominated inspection agency, and (c) Certificate of origin. (d) Receipt of Equipment's from the authorized officer by Commissioner of BBMP along with details of stock entry in BBMP. (e) Physical inspection report of authorized officer of BBMP.
2	For Installation of smart solutions in MLCP Third party inspection by Govt. Authorized Quality inspection agencies will be done.
3	Payment of the Contract Price shall be made in the following manner as per the Section VI GCC clause 13.
4	The currencies for payments shall be Rupees (INR)
5	The BBMP shall not be responsible for any of the taxes, duties and levies imposed on Successful bidder.
6	The Successful bidder shall provide a Performance Security of Rs 50.00 Lakhs for a period of 10 years additional 6 months of O&M period. The Performance Security shall be denominated in Indian Rupees only.
7	The types of acceptable Performance Securities are: A Bank guarantee or irrevocable Letter of Credit, issued by a Nationalized/Scheduled bank in the form provided in the tender documents or another form acceptable to the BBMP or A cashier's check or Banker's certified check, or crossed demand draft or pay order drawn in favour of the BBMP.; or Specified small savings instruments pledged to the BBMP.

8	Discharge of Performance Security shall take place: The performance security for the average annual O & M cost valid for 10years and additional 6 months of O&M period shall be submitted by the bidder, which will be retained by BBMP up to the successful running of MLCP along with the smart solution for contract period.
9	(a)The Successful bidder, BBMP appointed Third Party agency may jointly conduct inspections and testing of the Equipment's s before installation to BBMP. All costs involved in arranging and performing of such inspections and tests shall be borne by the Successful bidder (b) The Successful Bidder, BBMP shall jointly conduct final inspections and testing of the equipment's after delivery to prior to acceptance of the Equipment's.
10	Tests and Inspections shall be carried out at the specified times or milestones
11	The BBMP may require witnessing, prior to award of contract, the demonstration at any of the site where the bidder had claimed for experience. The bidder has to make necessary arrangements for such demonstration at the selected site.
12	The liquidated damage shall be: 0.1% of the annual contract amount of delay or part there of.
13	The maximum amount of liquidated damages shall be: 10% of the monthly service fee.
14	The period of validity of the Warranty shall be: 365 days from date of completion of contract.
15	The amount of aggregate liability shall be: Equal to contract price.
16	A period of 3 months will be allowed to the tenderer as installation period for facilitating the parking area.
17	No Parking will be enforced around MLCP as for Annexture-10.
18	The Contract Period of 10 years shall be extended by additional 5 years based on performance and mutual consent.

Arbitration (Clause 24)

4.1 The procedure for arbitration shall be as follows:

(a) In case of dispute or difference arising between the Employer and the Contractor relating to any matter arising out of or connected with this agreement it shall be settled in accordance with the Arbitration and Conciliation Act 1996. The disputes or differences shall be referred to a Sole Arbitrator. The Sole Arbitrator shall be appointed by agreement between the parties; failing such agreement, by the Appointing Authority (any one of the Organizations as per list enclosed in Annexure)

(b) Arbitration proceedings shall be held at…….. ……, Karnataka state (to be filled in by the Employer before issue of the Tender Documents),

(c) The cost and expenses of arbitration proceedings will be paid as determined by the Arbitrator. However the expenses incurred by each party in connection with the preparation, presentation, etc., shall be borne by each party itself.

(d) Performance under the contract shall continue during the arbitration proceedings and payments due the Contractor by the Employer shall not be withheld, unless they are the subject matter of the arbitration proceedings.

5. In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

6. The Contractor shall produce invoice for procurement of bronze with work bills. No payments will be made without such invoices.

6. The Contractor shall execute the work in minimum two shifts (Day & Night) for speedy completion of work and to minimize inconvenience to public.

7. If the Contractor does not satisfy clause 3.2 (c) of conditions of contract he shall provide a Memorandum of Understanding with an artist who has executed similar nature of work in any government projects previously.

9. The Contractor should have his own arrangements for Quality Control / Quality Assurance of the whole work.

10. Tenderer should have Registered with EPF and EIS authorities; certification should be produced at the time of tendering OR else before entering in to the Agreement.

[Add other Clauses specific to the work for which tenders are invited.]

SECTION VIII - CONTRACT FORMS

Annexure 1- Performance Security

1. Performance Security For Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10 years..

Invitation for Bid No.: _____ Date: (Insert date)

To,
Executive Engineer,
o/o Executive Engineer (RI-TEC Division),
Ground Floor, Annexe-3 building, N.R Square,
Bengaluru- 560002.

WHEREAS [insert complete name of Successful bidder] (hereinafter "the Successful bidder agency") has undertaken, pursuant to Contract No. [Insert number] dated [insert day and month], [insert year] by Installing necessary Smart Solutions at Freedom Park of MLCP Gandhinagar, Bengaluru for a period of 10 years. [brief description of the Services] (hereinafter "the Contract").

AND WHEREAS it has been stipulated by you in the aforementioned Contract that the Successful bidder shall furnish you with a security [insert type of security] issued by a reputable guarantor for the sum specified therein as security for

compliance with the Successful bidder's performance obligations in accordance with the Contract.

AND WHEREAS the undersigned [insert complete name of Guarantor], legally domiciled in [insert complete address of Guarantor], (hereinafter "the Guarantor"), have agreed to give the Successful bidder a security:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Successful bidder, up to a total of [insert currency or currencies and amount of guarantee in words and figures] and we undertake to pay you, upon your first written demand declaring the Successful bidder to be in default under the Contract, without cavil or argument, any sum or sums within the limits of [insert currency or currencies and amount of guarantee in words and figures] as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein. -

This security is valid until the [insert day, month, and year]. **Name [insert complete name of person signing the Security]**

In the capacity of [insert legal capacity of person signing the Security]

Signed [insert signature of person whose name and capacity are shown above]

Duly authorized to sign the security for and on behalf of [insert seal and complete name of Guarantor] Date [insert date of signing]

Annexure 2 - Structure and Organization

Details of organization of Individual Agency/ consortium to be submitted

1. (a) Name:

   (b) Country of incorporation:

   (c) Address of the corporate headquarters and its branch office(s), if any, in India:

   (d) Date of incorporation and/ or commencement of business:

2. Brief description of the Company including details of its main lines of business and proposed role and responsibilities in this Package:

3. Details of individual(s) who will serve as the point of contact/ communication for the Authority:

   (a) Name:

(b) Designation:

(c) Company:

(d) Address:

(e) Telephone Number/mobile number:

(f) E-Mail Address:

(g) Fax Number:

4. Particulars of the Authorised Signatory of the Bidder:

(a) Name:

(b) Designation:

(c) Address:

(d) Phone Number:

(e) Fax Number:

5. In case of a Consortium:

(a) The information above (1-4) should be provided for all the Members of the Consortium.

(b) A copy of the Memorandum of Understanding, as envisaged in **Clause 2.2.11 (f)** should be attached to the Bid.

(c) Information regarding role of each Member should be provided as per table below:

Sl. No.	Name of Member	Role* {Refer Clause 2.2.11 (d)}
1.		
2.		

* *Member Code shall indicate NA for Not Applicable in case of a single entity Bidder. For other Members, the following abbreviations are suggested viz. LM means Lead Member and OM means Other Member.*

(d) The following information shall also be provided for each Member of the Consortium:

Name of Bidder/ member of Consortium:

No.	Criteria	Yes	No

1.	Has the Bidder/ constituent of the Consortium been barred by the Central/ State Government, or any entity controlled by them, from participating in any project (DBOT or otherwise).		
2.	If the answer to 1 is yes, does the bar subsist as on the date of Bid.		
3.	Has the Bidder/ constituent of the Consortium paid liquidated damages of more than 5% of the contract value in a contract due to delay or has been penalized due to any other reason in relation to execution of a contract, in the last three years?		

6. A statement by the Bidder and each of the Members of its Consortium (where applicable) disclosing material non-performance or contractual non-compliance in past projects, contractual disputes and litigation/ arbitration in the recent past is given below (Attach extra sheets, if necessary)

Signature of the Applicant

Seal:

Annexure 3 - Key Personnel

Details of key technical and Administrative Personnel with the applicant and those that would be assigned to the work.

A.	Details of the Board of Directors / Partners		
	a)	Name of the Director / partner	
	b)	Organization	
	c)	Address	
	d)	Remarks	
B.	Key Technical and administrative personnel / Authorized signatory		
	a)	Individual’s name	

	b)	Qualifications	
	a)	Present position of office	
	b)	Professional experience and details of works carried out	
	a)	Year with the applicant	
	b)	How the individual would be involved in the contract	
C.	Remarks.		

Signature of the Applicant

Seal:

Annexure 4

A. Details of related works completed for the last three years

1	Name of work	
2	Order placed by (Full address of Client)	
3	Order No and date	
4	Total tendered cost of work	
5	Brief description of related works including principal features and quantities of main items	
6	Period of completion	
	a) Originally stipulated time limit	

	b) Extended time limit	
	c) Actual time taken to complete of work in stipulated time limit / extended time limit	
	d) Reasons for non- completion of work in stipulated time limit /extended time limit	
7	Name of applicants Engineer –in charge of the work	
8	Were there any penalties /fines /stop notices /compensations/ liquidated damages imposed? (yes/No)(if yes ,give amount and explanation)	

Signature of the Applicant

Seal:

1. Format for Certificate of Experience:

(On the Letterhead of the Concerned Agency)

Date:

TO WHOMSOEVER IT MAY CONCERN

This is to certify that _____ (name of the Bidder(s) has carried out the following activities as part of its services towards ----------during the period _____ and _____.

The details are as listed below:

i. Installation of Smart solution for parking system
ii. No of MLCPs Operated and Maintained

This certificate is being issued to be produced before Bruhat Bengaluru Mahanagara Palike (“BBMP”), for the Project for For Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10 years..

Signature and Seal
of the
Authorised Signatory of the Agency

Annexure 5 - Financial Statement

Information regarding financial standing of the applicant.

(In Rs.)

Bidder type	Annual Turnover for past Five years				
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**
Single entity Bidder/ Lead Member					
Other Member of Consortium					
Total					

Name & address of Bidder's Bankers:

Any Bidder consisting of a single entity should fill in details as per the row titled Single entity Bidder and ignore the rows titled Consortium Members. In case of a Consortium, row titled Single entity Bidder may be ignored.

Instructions:

1. Bidder shall submit the Turnover details.
2. The Bidder/ its constituent Consortium Members shall attach copies of the balance sheets, financial statements and Annual Reports for the latest financial year preceding the Bid Due Date. The financial statements shall:
   (a) Reflect the financial situation of the Bidder or Consortium Members;
   (b) Be audited by a statutory auditor/chartered accountant in case of individuals, registered sole proprietorship firm and registered partnership firm;
   (c) Be complete, including all notes to the financial statements; and
   (d) Correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).
3. Year 1 shall be the latest completed financial year, preceding the Bid Due Date. Year 2 shall be the year immediately preceding Year 1 and so on. In case the Bid Due Date falls within 3 (Three) months of the close of the latest financial year.
4. The Bidder shall provide an Statutory Auditor's Certificate/Chartered Accountant specifying the Turnover of the Bidder and also specifying the methodology adopted for calculating such net worth/turnover in the format given below.
5. For the purpose of the TENDER, Annual Turnover shall mean:

   The total revenues as indicated in the audited annual statements.

6. Experience (Technical Capacity and Financial Capacity) of only the Bidder(s)/Members of consortium would be considered shall be considered. Experience of associate company/parent company/ subsidiary company shall not be considered for qualification purposes.

The Bidder shall provide an Auditor's Certificate specifying the turnover of the Bidder and also specifying the methodology adopted for calculating such turnover.

Signature of the Applicant

Seal:

Annexure 6 - List showing relative of the applicant working in BBMP

Sl. No.	Name of Employee	Relationship with the applicant	Name of the Relation who are near relatives to Officers mentioned in col. 2	Remarks
(1)	(2)	(3)	(4)	(5)

Signature of the Applicant

Seal:

Annexure 7 - Information regarding Anti-Blacklisting - Affidavit

(On a Stamp Paper of value of Rs.100)

I, M/s. ..... (Single Business Entity / Lead Member/ Other Member/s), (the names and addresses of the registered office) hereby certify and confirm that we or any of our promoter/s / director/s are not barred by Bruhat Bengaluru Mahanagara Palike ("BBMP") / any other entity of Government of Karnataka or blacklisted by any state government or central government / department / urban local body / agency in India from participating in bidding process, either individually or as member of a Consortium as on the _____(Bid Due Date).

We further confirm that we are aware that our Proposal for the Assignment would be liable for rejection in case any material misrepresentation is made or discovered with regard to the requirements of this TENDER at any stage of the Bidding Process or thereafter during the agreement period.

Dated this .....Day of ....., 20....

Name of the Bidder

Signature of the Authorised person

Name of the Authorised Person
To be executed separately by all the Members in case of Consortium

[Notary Seal and Signature]

Annexure 8 : Power of Attorney for Signing of Bid

(On a Stamp Paper of value of Rs.100)

Know all men by these presents, We..... (name of the firm and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorize Mr/ Ms (name), ... son/daughter/wife of ..... and presently residing at ....., who is presently employed with us/ the Lead Member of our Consortium and holding the position of ..... , as our true and lawful attorney (hereinafter referred to as the "Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our Bid in respect of the Assignment provided in Letter of Bid for the For installation of Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park Gandhinagar for a period of 10 years (hereinafter referred to as BBMP) including but not limited to signing and submission of all Bids, bids and other documents and writings, participate in the Bidding Process and other conferences and providing information/ responses to the Authority , representing us in all matters before the Authority , signing and execution of all contracts including the Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the Authority in all matters in connection with or relating to or arising out of our bid for the said Assignment and/ or upon award thereof to us and/or till the entering into of the Agreement with the Authority .

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE, ..., THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS ..... DAY OF ....., 2.....

For .....

(Signature, name, designation and address)

Witnesses:

1.

2.

(Notarised)

Accepted

..... (Signature)

(Name, Title and Address of the Attorney)

Notes:

- The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.
- Wherever required, the Bidders should submit for verification the extract of the charter documents and documents such as a resolution/ power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.
- For a Power of Attorney executed and issued overseas, the document will also have to be legalized by the Indian Embassy and not arised in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed the Hague Legislation Convention 1961 are not required to be legalised by the Indian Embassy if it carries a conforming Appostille certificate.

Annexure 9: Power of Attorney for Lead Member of Consortium

(On a Stamp Paper of value of Rs.100)

Whereas the Bruhat Bengaluru Mahanagara Palike ("BBMP") has invited Bids from interested parties for Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10 years.. ("the Assignment").

Whereas, ……., ……., and …….. (collectively the "Consortium") being Members of the Consortium are interested in bidding for the Assignment listed in Letter of Bid in accordance with the terms and conditions of Request for Proposal (TENDER) and other connected documents in respect of the Assignment, and

Whereas, it is necessary for the Members of the Consortium to designate one of them as the Lead Member with all necessary power and the Authority to do for and on behalf of the Consortium, all acts, deeds and things as may be necessary in connection with the Consortium's bid for the Assignment and its execution.

NOW THEREFORE KNOW ALL MEN BY THESE PRESENTS

We, _____ having our registered office at _____, M/s. _____, having our registered office at _____, and M/s. _____, having our registered office at _____, [the respective names and addresses of the registered office] (hereinafter collectively referred to as the "Principals") do hereby irrevocably designate, nominate, constitute, appoint and authorize M/s _____, having its registered office at _____, being one of the Members of the Consortium, as the Lead Member and true and lawful attorney of the Consortium (hereinafter referred to as the "Attorney") and hereby irrevocably authorize the Attorney (with power to sub-delegate) to conduct all business for and on behalf of the Consortium and any one of us during the Bidding Process and, in the event the Consortium is awarded the Right/ Contract, during the execution of the Assignment, and in this regard, to do on

our behalf and on behalf of the Consortium, all or any of such acts, deeds or things as are necessary or required or incidental to the submission of its Bid for the Assignment, including but not limited to signing and submission of all applications, Bids and other documents and writings, participate in Bidders' and other conferences, respond to queries, submit information/ documents, sign and execute contracts and undertakings consequent to acceptance of the Bid of the Consortium and generally to represent the Consortium in all its dealings with the Authority, and/ or any other Government Agency or any person, in all matters in connection with or relating to or arising out of the Consortium's Bid for the Assignment and/ or upon award thereof till the Agreement is entered into with the Authority.

AND hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us/ Consortium.

IN WITNESS WHEREOF WE THE PRINCIPALS ABOVE NAMED HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS ..... DAY OF .....20__

For _____
(Name & Title)
For _____
(Name & Title)
For _____
(Name & Title)

Witnesses:
1
2

(Executants)
(To be executed by all the Members of the Consortium)

Notes:

- The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.
- Also, wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a resolution/ power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.
- For a Power of Attorney executed and issued overseas, the document will also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney

provided by the Bidders from countries that have signed the Hague Legislation Convention 1961 are not required to be legalized by the Indian Embassy if it carries a conforming Appostille certificate.

Annexure 10

ಅಧಿಸೂಚನೆಯನ್ನು ಹಾಗೇ ಉಳಿಸಿಕೊಂಡು ವೈ.ರಾಮಚಂದ್ರ ರಸ್ತೆಯ ಕನಕದಾಸ ವೃತ್ತದಿಂದ ಪ್ಯಾಲೇಸ್ ಕ್ರಾಸ್ ಜಂಕ್ಷನ್ ವರೆಗೆ ಉತ್ತರ ದಿಕ್ಕಿನಲ್ಲಿ ಗೂಡ್ಸ್ ವಾಹನಗಳಿಗೆ ಪಾರ್ಕಿಂಗ್ ವ್ಯವಸ್ಥೆ ಮಾಡಲು ಹಾಗೂ ದಕ್ಷಿಣ ದಿಕ್ಕಿನಲ್ಲಿ ಎಲ್ಲಾ ರೀತಿಯ ವಾಹನಗಳ ಪಾರ್ಕಿಂಗ್ ಅನ್ನು ನಿಷೇಧಿಸಲು ನಿರ್ಣಯ ತೆಗೆದುಕೊಂಡಿರುತ್ತದೆ.

ಈ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ದಿನಾಂಕ:06.01.2022 ರಂದು ಬೆಳಿಗ್ಗೆ 11:00 ಗಂಟೆಗೆ ಕೊಠಡಿ ಸಂಖ್ಯೆ:–436, 4ನೇ ಮಹಡಿ ವಿಕಾಸಸೌಧ, ಇಲ್ಲಿ ಗಾಂಧಿನಗರದ ಕಾಳಿದಾಸ ರಸ್ತೆಯ ಫ್ರೀಡಂಪಾರ್ಕ್ ಪಕ್ಕದಲ್ಲಿ ಪಾಲಿಕೆ ವತಿಯಿಂದ ನಿರ್ಮಿಸುತ್ತಿರುವ ಬಹುಮಹಡಿ ವಾಹನ ನಿಲ್ದಾಣ ಕಟ್ಟಡದ ಸುತ್ತಮುತ್ತಲಿನ ಪಾರ್ಕಿಂಗ್ ಅನ್ನು ನಿಷೇಧಿಸುವ ವಿಷಯದ ಕುರಿತು ಚರ್ಚಿಸಲು ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿ, ನಗರಾಭಿವೃದ್ಧಿ ಇಲಾಖೆ, ಇವರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ಸಭೆಯನ್ನು ಏರ್ಪಡಿಸಿದ್ದು, ಸಭೆಗೆ ನಗರಾಭಿವೃದ್ಧಿ ಇಲಾಖೆ ಅಧಿಕಾರಿಗಳು, ಸಂಚಾರ ಪೊಲೀಸ್ ಅಧಿಕಾರಿಗಳು ಮತ್ತು ಬಿಬಿಎಂಪಿ ಅಧಿಕಾರಿಗಳು ಭಾಗವಹಿಸಿ ಚರ್ಚಿಸಿದ ನಂತರ ಫ್ರೀಡಂಪಾರ್ಕ್ ಸುತ್ತಮುತ್ತಲಿನ ರಸ್ತೆಗಳನ್ನು ಪರಿಶೀಲನೆ ಮಾಡಿ ವರದಿ ನೀಡಲು ತಿಳಿಸಿದ್ದು ಅದರಂತೆ ನಗರಾಭಿವೃದ್ಧಿ ಇಲಾಖೆ, ಸಂಚಾರ ಪೊಲೀಸ್ ಹಾಗೂ ಬಿಬಿಎಂಪಿ ಅಧಿಕಾರಿಗಳು ಫ್ರೀಡಂಪಾರ್ಕ್‌ನ ಸುತ್ತಮುತ್ತಲಿನ ರಸ್ತೆಗಳನ್ನು ಪರಿಶೀಲನೆ ಮಾಡಿ ವೈ.ರಾಮಚಂದ್ರ ರಸ್ತೆಯ ಕನಕದಾಸ ವೃತ್ತದಿಂದ ಪ್ಯಾಲೇಸ್ ಕ್ರಾಸ್ ಜಂಕ್ಷನ್ ವರೆಗೆ ಉತ್ತರ ದಿಕ್ಕಿನಲ್ಲಿ ಗೂಡ್ಸ್ ವಾಹನಗಳಿಗೆ ಪಾರ್ಕಿಂಗ್ ವ್ಯವಸ್ಥೆ ಮಾಡಲು ಹಾಗೂ ದಕ್ಷಿಣ ದಿಕ್ಕಿನಲ್ಲಿ ಎಲ್ಲಾ ರೀತಿಯ ವಾಹನಗಳ ಪಾರ್ಕಿಂಗ್ ಅನ್ನು ನಿಷೇಧಿಸಲು ತಿಳಿಸಿದ್ದು ಈ ಬಗ್ಗೆ ಅಧಿಸೂಚನೆ ಹೊರಡಿಸಲು ಮನವಿ ಮಾಡಿರುತ್ತಾರೆ.

ಆದ್ದರಿಂದ ಬೆಂಗಳೂರು ನಗರ ಕಮೀಷನರೇಟ್ ವ್ಯಾಪ್ತಿಯ ಉಪ್ಪಾರಪೇಟೆ ಸಂಚಾರ ಪೊಲೀಸ್ ಠಾಣೆಯ ವೈ. ರಾಮಚಂದ್ರ ರಸ್ತೆಯಲ್ಲಿ ಕನಕದಾಸ ವೃತ್ತದಿಂದ ಪ್ಯಾಲೇಸ್ ಕ್ರಾಸ್ ಜಂಕ್ಷನ್‌ವರೆಗೆ ರಸ್ತೆಯ ಉತ್ತರ ದಿಕ್ಕಿನಲ್ಲಿ ಗೂಡ್ಸ್ ವಾಹನಗಳಿಗೆ ನಿಲುಗಡೆ ವ್ಯವಸ್ಥೆಯನ್ನು ಹಾಗೂ ದಕ್ಷಿಣ ದಿಕ್ಕಿನಲ್ಲಿ ವಾಹನಗಳ ನಿಲುಗಡೆಯನ್ನು ನಿಷೇಧಿಸಿ ಅಧಿಸೂಚನೆಯನ್ನು ಹೊರಡಿಸುವುದು ಸೂಕ್ತವೆಂದು ಪರಿಗಣಿಸಲಾಗಿದೆ.

ಆದೇಶ ಸಂಖ್ಯೆ. 07/ಅಧಿಸೂಚನೆ/ಜಂಟಿ.ಸಿಪಿ(ಸಂ)/2022 ದಿನಾಂಕ: 21 –02–2022.

ಈ ದಿಸೆಯಲ್ಲಿ ಕಲಂ 115 ಮೋಟಾರು ವಾಹನ ಕಾಯ್ದೆ 1988 ಹಾಗೂ ಕಲಂ 3 ಕರ್ನಾಟಕ ಟ್ರಾಫಿಕ್ ಕಂಟ್ರೋಲ್ ಆಕ್ಟ್ 1960ರ ಪ್ರಕಾರ ಪ್ರದತ್ತವಾದ ಅಧಿಕಾರವನ್ನು ಚಲಾಯಿಸಿ ಕಮಲ್ ಪಂತ್, ಐ.ಪಿ.ಎಸ್, ಪೊಲೀಸ್ ಆಯುಕ್ತರು, ಬೆಂಗಳೂರು ನಗರ ಆದ ನಾನು ಮೇಲೆ ಸಕಾರಣಗಳೊಂದಿಗೆ ವಿವರಿಸಿದ ಅಂಶಗಳನ್ನು ಆಧರಿಸಿ ಬೆಂಗಳೂರು ನಗರ ಪೊಲೀಸ್ ಕಮೀಷನರೇಟ್ ಘಟಕದ ಉಪ್ಪಾರಪೇಟೆ ಸಂಚಾರ ಪೊಲೀಸ್ ಠಾಣೆ ವ್ಯಾಪ್ತಿಯ ವೈ. ರಾಮಚಂದ್ರ ರಸ್ತೆಯಲ್ಲಿ ವಾಹನ ನಿಲುಗಡೆ ವ್ಯವಸ್ಥೆ ಮತ್ತು ನಿಲುಗಡೆ ನಿಷೇಧ ಸಂಬಂಧ ಈ ಕೆಳಕಂಡ ವ್ಯವಸ್ಥೆಯನ್ನು ಜಾರಿಗೊಳಿಸಿರುತ್ತೇನೆ.

ಗೂಡ್ಸ್ ವಾಹನಗಳ ನಿಲುಗಡೆಗೆ ವ್ಯವಸ್ಥೆ

- ವೈ. ರಾಮಚಂದ್ರ ರಸ್ತೆ: ಈ ರಸ್ತೆಯಲ್ಲಿ ಕನಕದಾಸ ವೃತ್ತದಿಂದ ಪ್ಯಾಲೇಸ್ ಕ್ರಾಸ್ ಜಂಕ್ಷನ್‌ವರೆಗೆ ರಸ್ತೆಯ ಉತ್ತರ ದಿಕ್ಕಿನಲ್ಲಿ ಗೂಡ್ಸ್ ವಾಹನಗಳ ನಿಲುಗಡೆಗೆ ವ್ಯವಸ್ಥೆ ಕಲ್ಪಿಸಿದೆ.

ವಾಹನಗಳ ನಿಲುಗಡೆ ನಿಷೇಧ

- ವೈ. ರಾಮಚಂದ್ರ ರಸ್ತೆ: ಈ ರಸ್ತೆಯಲ್ಲಿ ಕನಕದಾಸ ವೃತ್ತದಿಂದ ಪ್ಯಾಲೇಸ್ ಕ್ರಾಸ್ ಜಂಕ್ಷನ್‌ವರೆಗೆ ರಸ್ತೆಯ ದಕ್ಷಿಣ ದಿಕ್ಕಿನಲ್ಲಿ ಎಲ್ಲಾ ರೀತಿಯ ವಾಹನಗಳ ನಿಲುಗಡೆಯನ್ನು ನಿಷೇಧಿಸಿದೆ.

ಅಂತೆಯೇ ಕಲಂ 116 ಮೋಟಾರ್ ವಾಹನ ಕಾಯ್ದೆ 1988 ಹಾಗೂ ಕಲಂ 4 ಕರ್ನಾಟಕ ಟ್ರಾಫಿಕ್ ಕಂಟ್ರೋಲ್ ಆಕ್ಟ್ 1960 ರಲ್ಲಿ ಪ್ರದತ್ತವಾದ ಅಧಿಕಾರವನ್ನು ಚಲಾಯಿಸಿ ಮೇಲ್ಕಂಡ ವ್ಯವಸ್ಥೆಯನ್ನು ಜಾರಿಗೊಳಿಸಲು ಬೇಕಾದ ಅಗತ್ಯ ಸೂಚನಾ ಫಲಕಗಳನ್ನು ಸೂಕ್ತ ಸ್ಥಳಗಳಲ್ಲಿ ಅಳವಡಿಸಲು ಸ್ಥಳೀಯ ಅಧಿಕಾರಿಗಳಿಗೆ ಆದೇಶಿಸಿರುತ್ತೇನೆ.

ಈ ಮೇಲ್ಕಂಡ ವ್ಯವಸ್ಥೆಯು ದಿನಾಂಕ:26-02-2022 ರಿಂದ ಜಾರಿಯಲ್ಲಿರುವಂತೆ ಆದೇಶಿಸಿರುತ್ತೇನೆ.

(ಈ ಆದೇಶವನ್ನು ನನ್ನ ಆಪ್ತ ಸಹಾಯಕರಿಗೆ ಉಕ್ತಲೇಖನ ನೀಡಿದ್ದು, ಗಣಕೀಕೃತ ಬೆರಳಚ್ಚು ಪ್ರತಿಯನ್ನು ಪರಿಶೀಲಿಸಿ ಈ ದಿನ ಸಹಿ ಮಾಡಿ ನನ್ನ ಕಛೇರಿಯಲ್ಲಿ ಉದ್ಘೋಷಿಸಿದೆ)

(ಕಮಲ್ ಪಂತ್)
ಪೊಲೀಸ್ ಕಮೀಷನರ್,
ಬೆಂಗಳೂರು ನಗರ.

ಗೆ,

1. ಸಂಕಲನಾಧಿಕಾರಿಗಳು (Compiler), ಕರ್ನಾಟಕ ರಾಜ್ಯ ಪ್ರಪತ್ರ, ಬೆಂಗಳೂರು ರವರು ಈ ಆದೇಶವನ್ನು ಕರ್ನಾಟಕ ರಾಜ್ಯ ಪತ್ರದಲ್ಲಿ ಪ್ರಕಟಿಸುವ ನಿಟ್ಟಿನಲ್ಲಿ ಕ್ರಮ ಕೈಗೊಳ್ಳಲು ಕೋರಲಾಗಿದೆ.
2. ಸಂಬಂಧಪಟ್ಟವರಿಗೆ

I. ಏಕಮುಖ ಸಂಚಾರ

ಕ್ರ.ಸಂ	ರಸ್ತೆಯ ಹೆಸರು	ಇಂದ	ವರೆಗೆ	ದಿಕ್ಕು
1	ಎಸ್.ಸಿ. ರಸ್ತೆ	ಆನಂದರಾವ್ ವೃತ್ತದಿಂದ	ಕೆ.ಜಿ ವೃತ್ತ ದವರೆಗೆ	ಉತ್ತರದಿಂದ ದಕ್ಷಿಣಕ್ಕೆ
2	ಕೆ.ಜಿ. ರಸ್ತೆ	ಮೈಸೂರು ಬ್ಯಾಂಕ್ ವೃತ್ತದಿಂದ	ಎಲೈಟ್ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪೂರ್ವದಿಂದ ಪಶ್ಚಿಮಕ್ಕೆ
3	ಶೇಷಾದ್ರಿ ರಸ್ತೆ	ಹೋಡೆ ವೃತ್ತದಿಂದ	ಮಹಾರಾಣಿ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪಶ್ಚಿಮದಿಂದ ಪೂರ್ವಕ್ಕೆ
4	ಎಲ್.ಐ.ಬಿ. ರಸ್ತೆ	ಕೆ.ಜಿ ವೃತ್ತದಿಂದ	ಉಪ್ಪಾರಪೇಟೆ ಪೊಲೀಸ್ ಠಾಣೆ ವರೆಗೆ	ಪೂರ್ವದಿಂದ ಪಶ್ಚಿಮಕ್ಕೆ
5	ಅವಿನ್ಯೂ ರಸ್ತೆ	ಆಸ್ಪತ್ರೆ ಜಂಕ್ಷನ್‌ನಿಂದ	ಮೈಸೂರು ಬ್ಯಾಂಕ್ ವೃತ್ತದವರೆಗೆ	ದಕ್ಷಿಣದಿಂದ ಉತ್ತರಕ್ಕೆ
6	1ನೇ ಮುಖ್ಯ ರಸ್ತೆ ಗಾಂಧಿನಗರ	ಕನಕದಾಸ ವೃತ್ತದಿಂದ	ಸಾಗರ್ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಉತ್ತರದಿಂದ ದಕ್ಷಿಣಕ್ಕೆ
7	3ನೇ ಮುಖ್ಯ ರಸ್ತೆ ಗಾಂಧಿನಗರ	ಗಾಂಧಿನಗರ 1ನೇ ಅಡ್ಡ ರಸ್ತೆ ಜಂಕ್ಷನ್‌ನಿಂದ	2ನೇ ಕ್ರಾಸ್ ಗಾಂಧಿನಗರ/ ವೈ ರಾಮಚಂದ್ರ ರಸ್ತೆ ಜಂಕ್ಷನ್‌ವರೆಗೆ	ದಕ್ಷಿಣದಿಂದ ಉತ್ತರಕ್ಕೆ
8	5ನೇ ಮುಖ್ಯ ರಸ್ತೆ ಗಾಂಧಿನಗರ	ಕೆಂಪೇಗೌಡ ರಸ್ತೆ ಜನತಾ ಬಜಾರ್ ಜಂಕ್ಷನ್‌ನಿಂದ	ಸುಬ್ಬಣ್ಣ ಜಂಕ್ಷನ್ ವರೆಗೆ	ದಕ್ಷಿಣದಿಂದ ಉತ್ತರಕ್ಕೆ
9	ಟ್ಯಾಂಕ್ ಬಂಡ್ ರಸ್ತೆ	ಉಪ್ಪಾರಪೇಟೆ ಪೊಲೀಸ್ ಠಾಣೆ ಮುಂಭಾಗದಿಂದ	ಜಿ.ಎಸ್ ಬ್ರಿಡ್ಜ್ ವರೆಗೆ	ದಕ್ಷಿಣದಿಂದ ದಕ್ಷಿಣಕ್ಕೆ
10	ಟ್ಯಾಂಕ್ ಬಂಡ್ ರಸ್ತೆ	ಗ್ರೇಡ್ ಸಪರೇಷನ್‌ನಿಂದ (ಲಕ್ಷ್ಮಣಪುರಿ ಬ್ರಿಡ್ಜ್)	ಬಿ.ಎಂ.ಟಿ.ಸಿ ನಿಲ್ದಾಣ ದವರೆಗೆ	ಉತ್ತರದಿಂದ ಪಶ್ಚಿಮಕ್ಕೆ
11	ಕೆಂಪೇಗೌಡ ರಸ್ತೆ 1ನೇ ಅಡ್ಡ ರಸ್ತೆ	ಕೆ.ಜಿ ರಸ್ತೆಯಿಂದ	ಆಸ್ಪತ್ರೆ ರಸ್ತೆವರೆಗೆ	ಉತ್ತರದಿಂದ ದಕ್ಷಿಣಕ್ಕೆ
12	ಕೆಂಪೇಗೌಡ 2ನೇ ಅಡ್ಡ ರಸ್ತೆ	ಆಸ್ಪತ್ರೆ ರಸ್ತೆಯಿಂದ	ಕೆಂಪೇಗೌಡ ರಸ್ತೆವರೆಗೆ	ದಕ್ಷಿಣದಿಂದ ಉತ್ತರಕ್ಕೆ
13	ಕೆಂಪೇಗೌಡ 3ನೇ ಅಡ್ಡ ರಸ್ತೆ	ಕೆ.ಜಿ ರಸ್ತೆಯದಿಂದ	ಆಸ್ಪತ್ರೆ ರಸ್ತೆವರೆಗೆ	ಉತ್ತರದಿಂದ ದಕ್ಷಿಣಕ್ಕೆ

14	ಗಾಂಧಿನಗರ 1ನೇ ಕ್ರಾಸ್	1ನೇ ಮುಖ್ಯ ರಸ್ತೆ ಜಂಕ್ಷನ್ ನಿಂದ	ಗಾಂಧಿನಗರ 5ನೇ ಮುಖ್ಯರಸ್ತೆ ಜಂಕ್ಷನ್‌ವರೆಗೆ	ಪೂರ್ವದಿಂದ ಪಶ್ಚಿಮಕ್ಕೆ
15	ಗಾಂಧಿನಗರ 2ನೇ ಕ್ರಾಸ್ / ವೈ ರಾಮಚಂದ್ರ ರಸ್ತೆ	ಎಸ್.ಸಿ ರಸ್ತೆ ಜಂಕ್ಷನ್‌ದಿಂದ	ಕನಕದಾಸ ವೃತ್ತವರೆಗೆ	ಪಶ್ಚಿಮದಿಂದ ಪೂರ್ವಕ್ಕೆ
16	ಕಪಾಲಿ ಗಲ್ಲಿ	ಟಿ.ಬಿ ರಸ್ತೆ ಜಂಕ್ಷನ್ ದಿಂದ	ಎಸ್.ಸಿ ರಸ್ತೆ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪಶ್ಚಿಮದಿಂದ ಪೂರ್ವಕ್ಕೆ
17	ಆರ್.ಕೆ. ಪುರಂ ಗಲ್ಲಿ	ಎಸ್.ಸಿ ರಸ್ತೆಯದಿಂದ	ಅಮರ್ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪೂರ್ವದಿಂದ ಪಶ್ಚಿಮಕ್ಕೆ
18	ಪೂರ್ಣಯ್ಯ ಛತ್ರಂ ರಸ್ತೆ	ಬಳೇಪೇಟೆ ಮುಖ್ಯರಸ್ತೆ ಜಂಕ್ಷನ್‌ನಿಂದ	ಸೂರ್ಯ ಸೌಧ ಬಿಲ್ಡಿಂಗ್ ವರೆಗೆ	ಪೂರ್ವದಿಂದ ಪಶ್ಚಿಮಕ್ಕೆ
19	ಪೂರ್ಣಯ್ಯ ಛತ್ರಂ ರಸ್ತೆ	ಎಲ್.ಟಿ.ಪಿ. ರಸ್ತೆ ಜಂಕ್ಷನ್‌ನಿಂದ	ಕಾರ್ಪೋರೇಷನ್ ಬಿಲ್ಡಿಂಗ್ ವರೆಗೆ	ದಕ್ಷಿಣದಿಂದ ಉತ್ತರಕ್ಕೆ

2.ಭಾರೀ ಸರಕು ಸಾಗಣೆ ವಾಹನ ನಿಷೇಧ

ಕ್ರ.ಸಂ	ರಸ್ತೆಯ ಹೆಸರು	ಇಂದ	ವರೆಗೆ
1	ಬಳೇಪೇಟೆ ಮುಖ್ಯರಸ್ತೆ	ಬಳೇಪೇಟೆ ಮುಖ್ಯ ರಸ್ತೆಯಿಂದ	ಕೆಂಪೇಗೌಡ ರಸ್ತೆ ಜಂಕ್ಷನ್‌ವರೆಗೆ
2	ಸುಬೇದಾರ್ ಛತ್ರಂ ರಸ್ತೆ	ಆನಂದ್ ರಾವ್ ಸರ್ಕಲ್‌ನಿಂ	ಕೆಂಪೇಗೌಡ ರಸ್ತೆ ಜಂಕ್ಷನ್‌ವರೆಗೆ
3	ಕೆಂಪೇಗೌಡ ರಸ್ತೆ	ಮೈಸೂರು ಬ್ಯಾಂಕ್ ಸರ್ಕಲ್‌ನಿಂದ	ಕೆಂಪೇಗೌಡ ರಸ್ತೆ ಜಂಕ್ಷನ್‌ವರೆಗೆ
4	ಗಾಂಧಿನಗರ 5ನೇ ಮುಖ್ಯರಸ್ತೆ	ಜನತಾ ಬಜಾರ್‌ನಿಂದ	ಶೇಷಾದ್ರಿ ರಸ್ತೆವರೆಗೆ
5	ಗಾಂಧಿನಗರ 2ನೇ ಕ್ರಾಸ್	ಸುಬೇಧಾರ್ ಛತ್ರಂ ರಸ್ತೆಯಿಂದ	ಪ್ಯಾಲೇಸ್ ಕ್ರಾಸ್ ಜಂಕ್ಷನ್‌ವರಗೆ
6	ಗಾಂಧಿನಗರ 1ನೇ ಮುಖ್ಯರಸ್ತೆ	ಕನಕದಾಸ ವೃತ್ತದಿಂದ	ಕೆಂಪೇಗೌಡ ರಸ್ತೆವರೆಗೆ

3.ವಾಹನ ನಿಲುಗಡೆ ನಿಷೇಧ

ಕ್ರ.ಸಂ	ರಸ್ತೆಯ ಹೆಸರು	ಇಂದ	ವರೆಗೆ	ದಿಕ್ಕು
1	ಕೆಂಪೇಗೌಡ ರಸ್ತೆ (ರಸ್ತೆಯ ಎರಡು ಕಡೆ)	ಪೊಲೀಸ್ ಕಾರ್ನರ್	ಮೆಜೆಸ್ಟಿಕ್ ಸಿನಿಮಾ ಥಿಯೇಟರ್	ಉತ್ತರ ಮತ್ತು ದಕ್ಷಿಣ
2	ಶೇಷಾದ್ರಿ ರಸ್ತೆ (ರಸ್ತೆಯ ಎರಡು ಕಡೆ)	ಸಂಗೊಳ್ಳಿರಾಯಣ್ಣ ವೃತ್ತದಿಂದ	ಕೆ.ಆರ್.ಸರ್ಕಲ್ ವರೆಗೆ	ಉತ್ತರ ಮತ್ತು ದಕ್ಷಿಣ

3	ಎಸ್.ಸಿ ರಸ್ತೆ	ವಿಜಯ ಕೆಫೆ ಜಂಕ್ಷನ್ ನಿಂದ	ಹಿಮಾಲಯ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪೂರ್ವ ಮತ್ತು ಪಶ್ಚಿಮ
4	ಎಸ್.ಸಿ ರಸ್ತೆ	ಆನಂದರಾವ್ ವೃತ್ತದಿಂದ	ವಿಜಯಕೆಫೆ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪಶ್ಚಿಮ ದಿಕ್ಕಿನ ಭಾಗ
5	2ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ.	6ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ ಜಂಕ್ಷನ್‌ನಿಂದ	ವೈ.ರಾಮಚಂದ್ರ ರಸ್ತೆ ಜಂಕ್ಷನ್‌ವರೆಗೆ,	ಪೂರ್ವ ದಿಕ್ಕಿನ ಭಾಗ
6	4ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	2ನೇ ಕ್ರಾಸ್ ಗಾಂಧಿನಗರ ಜಂಕ್ಷನ್‌ನಿಂದ	5ನೇಕ್ರಾಸ್ ಜಂಕ್ಷನ್ ಗಾಂಧಿನಗರದವರೆಗೆ	ಪಶ್ಚಿಮ ದಿಕ್ಕಿನ ಭಾಗ
7	5ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	ಟಿ.ಪಿ.ಟಿ ಜಂಕ್ಷನ್‌ನಿಂದ	ಸುಬ್ಬಣ್ಣ ವೃತ್ತದವರೆಗೆ	ಪೂರ್ವ ದಿಕ್ಕಿನ ಭಾಗ
8	4ನೇ ಕ್ರಾಸ್ ಗಾಂಧಿನಗರ	2ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ ಜಂಕ್ಷನ್‌ನಿಂದ	5ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ ಜಂಕ್ಷನ್‌ವರೆಗೆ	ದಕ್ಷಿಣ ದಿಕ್ಕಿನ ಭಾಗ
9	5ನೇ ಕ್ರಾಸ್ ಗಾಂಧಿನಗರ	2ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ ಜಂಕ್ಷನ್‌ನಿಂದ	5ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ ಜಂಕ್ಷನ್‌ವರೆಗೆ	ಉತ್ತರ ದಿಕ್ಕಿನ ಭಾಗ
10	6ನೇ ಕ್ರಾಸ್ ಗಾಂಧಿನಗರ	1ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧೀನಗರ ಜಂಕ್ಷನ್‌ನಿಂದ	5ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ ಜಂಕ್ಷನ್‌ವರೆಗೆ	ದಕ್ಷಿಣ ದಿಕ್ಕಿನ ಭಾಗ
11	ಅವಿನ್ಯೂ ರಸ್ತೆ	ಆಸ್ಪತ್ರೆ ರಸ್ತೆ ಜಂಕ್ಷನ್‌ನಿಂದ	ಕೆ.ಜಿ.ರಸ್ತೆ ಮೈಸೂರ್ ಬ್ಯಾಂಕ್ ಜಂಕ್ಷನ್‌ವರೆಗೆ	ಪಶ್ಚಿಮ ದಿಕ್ಕಿನ ಭಾಗ
12	ಟಿ.ಬಿ. ರಸ್ತೆ	ಉಪ್ಪಾರಪೇಟೆ ಪೊಲೀಸ್‌ಠಾಣೆಯಿಂದ	ಸಂಗಂ ಕ್ರಾಸ್‌ವರೆಗೆ	ಪೂರ್ವ ದಿಕ್ಕಿನ ಭಾಗ
13	ಧನ್ವಂತರಿ ರಸ್ತೆ	ಆಯುರ್ವೇದಿಕ್ ಕಾಲೇಜ್ ಎದುರು	ರಸ್ತೆಯ ಎರಡು ಬದಿ	ಪೂರ್ವ ಮತ್ತು ಪಶ್ಚಿಮ ದಿಕ್ಕಿನ ಭಾಗ
14	ಎಲ್.ಟಿ.ಪಿ ರಸ್ತೆ	ಎಲ್.ಟಿ.ಪಿ ರಸ್ತೆ ಶಾಂತಲಾ ವೃತ್ತದಿಂದ	ಉಪ್ಪಾರಪೇಟೆ ಪೊಲೀಸ್‌ಠಾಣೆವರೆಗೆ	ಉತ್ತರ ದಿಕ್ಕಿನ ಭಾಗ
15	ಪ್ಯಾಲೇಸ್ ರಸ್ತೆ (ರಸ್ತೆಯ ಎರಡು ಬದಿ)	ಮೈಸೂರು ಬ್ಯಾಂಕ್ ವೃತ್ತದಿಂದ	ಮಹಾರಾಣಿಕಾಲೇಜ್ ಬ್ರಿಡ್ಜ್‌ವರೆಗೆ	ಪೂರ್ವ ಮತ್ತು ಪಶ್ಚಿಮ ದಿಕ್ಕಿನ ಭಾಗ
16	ಪೂರ್ಣಯ್ಯ ಛತ್ರ ರಸ್ತೆ	ಎಲ್.ಟಿ.ಪಿ ರಸ್ತೆ ಜಂಕ್ಷನ್‌ನಿಂದ	ಪೂರ್ಣಯ್ಯ ಛತ್ರ ರಸ್ತೆ ಕ್ರಾಸ್‌ವರೆಗೆ	ಪಶ್ಚಿಮ ದಿಕ್ಕಿನ ಭಾಗ
17	1ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ (ಎರಡು ಬದಿ)	ಫ್ರೀಡಂ ಪಾರ್ಕ್ ಜಂಕ್ಷನ್‌ನಿಂದ	ಸಾಗರ್ ಜಂಕ್ಷನ್‌ವರೆಗೆ ಎರಡೂ ಕಡೆ	ಪೂರ್ವ ಮತ್ತು ಪಶ್ಚಿಮ ದಿಕ್ಕು

18	ಆಸ್ಪತ್ರೆ ರಸ್ತೆ (ರಸ್ತೆಯ ಎರಡು ಬದಿ)	ಬಳೇಪೇಟೆ ರಸ್ತೆ ಜಂಕ್ಷನ್	ಸುಲಭ ಶೌಚಾಲಯದ ವರೆಗೆ (ಅಭಿನಯ ಜಂಕ್ಷನ್ ಮುಖಾಂತರ)	ಉತ್ತರ ಮತ್ತು ದಕ್ಷಿಣ
19	ಗಾಂಧಿನಗರ 1ನೇ ಅಡ್ಡರಸ್ತೆ	ಗಿರಿಯಾಸ್ ನಿಂದ	ತ್ರಿಭುವನ್ ಚಿತ್ರ ಮಂದಿರದ ವರೆಗೆ	ಉತ್ತರ ದಿಕ್ಕು
20	ಗಾಂಧಿನಗರ 5ನೇ ಮುಖ್ಯರಸ್ತೆ	ಜನತಾ ಬಜಾರ್ ಜಂಕ್ಷನ್ ನಿಂದ	ಟಿಓಟಿ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪೂರ್ವ ಮತ್ತು ಪಶ್ಚಿಮ ದಿಕ್ಕು
21	ಕೆಂಪೇಗೌಡ ರಸ್ತೆಯ 1,2,3,ನೇ ಅಡ್ಡರಸ್ತೆಗಳು	ಕೆ.ಜಿ. ರಸ್ತೆಯಿಂದ	ಆಸ್ಪತ್ರೆ ರಸ್ತೆವರೆಗೆ	ಪೂರ್ವ ಮತ್ತು ಪಶ್ಚಿಮ ದಿಕ್ಕು
22	ವೈರಾಮಚಂದ್ರ ರಸ್ತೆ	ವಿಜಯಕೆಪೆ ಜಂಕ್ಷನ್ ನಿಂದ	ಟಿಓಟಿ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಉತ್ತರ ಮತ್ತು ದಕ್ಷಿಣ ದಿಕ್ಕು
23	ವೈರಾಮಚಂದ್ರ ರಸ್ತೆ	ಟಿಓಟಿ ಜಂಕ್ಷನ್ ನಿಂದ	ಕನಕದಾಸ ಜಂಕ್ಷನ್ ವರೆಗೆ	ದಕ್ಷಿಣ ದಿಕ್ಕು
24	ವೈರಾಮಚಂದ್ರ ರಸ್ತೆ	ಕನಕದಾಸ ಜಂಕ್ಷನ್ ನಿಂದ	ಪ್ಯಾಲೇಸ್ ಕ್ರಾಸ್ ಜಂಕ್ಷನ್ ವರೆಗೆ	ದಕ್ಷಿಣ ದಿಕ್ಕು
25	ಗಾಂಧಿನಗರ 6ನೇ ಮುಖ್ಯರಸ್ತೆ	ಗಾಂಧಿನಗರ 3ನೇ ಅಡ್ಡರಸ್ತೆ ಯಿಂದ	ಹಿಮಾಲಯ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪೂರ್ವ ಮತ್ತು ಪಶ್ಚಿಮ ದಿಕ್ಕು
26	ಗಾಂಧಿನಗರ 5ನೇ ಮುಖ್ಯರಸ್ತೆ	ಎಂ.ಟಿ.ಆರ್. ಜಂಕ್ಷನ್ ನಿಂದ	ಸುಬ್ಬಣ್ಣ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪೂರ್ವ ಮತ್ತು ಪಶ್ಚಿಮ ದಿಕ್ಕು
27	ಬಳೇಪೇಟೆ ಮುಖ್ಯರಸ್ತೆ	ಬಳೇಪೇಟೆ ಜಂಕ್ಷನ್ ನಿಂದ	ತಾಣಾ ಮುಂಭಾಗದ ವರೆಗೆ	ಪೂರ್ವ ಮತ್ತು ಪಶ್ಚಿಮ ದಿಕ್ಕು

4.ದ್ವಿಚಕ್ರ ವಾಹನ ನಿಲುಗಡೆ

ಕ್ರ.ಸಂ	ರಸ್ತೆಯ ಹೆಸರು	ಇಂದ	ವರೆಗೆ	ದಿಕ್ಕು
1	ಆಸ್ಪತ್ರೆ ರಸ್ತೆ	ಸುಲಭ ಶೌಚಾಲಯದವರೆಗೆ	ಮೈಸೂರು ಬ್ಯಾಂಕ್ ಕಟ್ಟಡದ ಕಾಂಪೌಂಡ್ ಗೋಡೆಯ ಪ್ರಾರಂಭದಿಂದ	ಪಶ್ಚಿಮದಿಂದ ಪೂರ್ವಕ್ಕೆ
2	ಎಸ್.ಸಿ ರಸ್ತೆ	ಗಣೇಶ ದೇವಸ್ಥಾನದಿಂದ	ಎಂಪೈರ್ ಹೋಟೆಲ್ ವರೆಗೆ	ಪೂರ್ವದಿಕ್ಕು-60
3	ಎಸ್.ಸಿ ರಸ್ತೆ	ಕಪಾಲಿ ಟಾಕೀಸ್ ನಿಂದ	ರಾಮಕೃಷ್ಣ ಲಾಡ್ಜ್ ವರೆಗೆ	ಪೂರ್ವದಿಕ್ಕು-60
4	ಗಾಂಧಿನಗರ 4ನೇ ಮುಖ್ಯ ರಸ್ತೆ	ಗಾಂಧಿನಗರ 5ನೇ ಕ್ರಾಸ್ ನಿಂದ	ಗಾಂಧಿನಗರ 3ನೇ ಕ್ರಾಸ್ ವರೆಗೆ	ಪೂರ್ವ ದಿಕ್ಕು-50
5	ಗಾಂಧಿನಗರ 2ನೇ ಮುಖ್ಯ ರಸ್ತೆ	ಗಾಂಧಿನಗರ 6ನೇ ಅಡ್ಡರಸ್ತೆಯಿಂದ	ವೈರಾಮಚಂದ್ರ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪಶ್ಚಿಮ ದಿಕ್ಕು-ದ್ವಿಚಕ್ರ ಮತ್ತು ಲಘು ವಾಹನ

6	ಗಾಂಧಿನಗರ 6ನೇ ಕ್ರಾಸ್	1ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	5ನೇ ಮುಖ್ಯ ರಸ್ತೆ ಗಾಂಧಿ ನಗರ	ಉತ್ತರ ದಿಕ್ಕು-ದ್ವಿಚಕ್ರ ಮತ್ತು ಲಘು ವಾಹನ
7	ಗಾಂಧಿನಗರ 5ನೇ ಕ್ರಾಸ್	2ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	5ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	ಉತ್ತರ ದಿಕ್ಕು-ದ್ವಿಚಕ್ರ ಮತ್ತು ಲಘು ವಾಹನ
8	ಗಾಂಧಿನಗರ 4ನೇ ಕ್ರಾಸ್	2ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	5ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	ಉತ್ತರ ದಿಕ್ಕು-ದ್ವಿಚಕ್ರ ಮತ್ತು ಲಘು ವಾಹನ
9	ಗಾಂಧಿನಗರ 3ನೇ ಕ್ರಾಸ್	ಗಾಂಧಿನಗರ 2ನೇ ಮುಖ್ಯರಸ್ತೆಯಿಂದ	ಗಾಂಧಿನಗರ 4ನೇ ಮುಖ್ಯರಸ್ತೆವರೆಗೆ	ಉತ್ತರ ದಿಕ್ಕಿಗೆ
10	ಅವೆನ್ಯೂ ರಸ್ತೆ	ಕೆಂಪೇಗೌಡ ರಸ್ತೆ ಜಂಕ್ಷನ್ ನಿಂದ	ಆಸ್ಪತ್ರೆ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪೂರ್ವ ದಿಕ್ಕು-80
11	ಬಳೇಪೇಟೆ ರಸ್ತೆ	ಎಲ್.ಟಿ.ಪಿ ರಸ್ತೆಯಿಂದ	ಕಿಲಾರಿ ರಸ್ತೆ	ಪಶ್ಚಿಮ ದಿಕ್ಕು-30
12	ಪಿ.ಸಿ. ರಸ್ತೆ	ಎಲ್.ಟಿ.ಪಿ ಜಂಕ್ಷನ್ ನಿಂದ	ಪಿ.ಸಿ. ರಸ್ತೆ ಕ್ರಾಸ್	ಪೂರ್ವ ದಿಕ್ಕು-60
13	ಟ್ಯಾಂಕ್ ಬಂಡ್ ರಸ್ತೆ	ಉಪ್ಪಾರಪೇಟೆ ಪಿ.ಎಸ್ ನಿಂದ	ಎಲೈಟ್ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪೂರ್ವ ದಿಕ್ಕು-80
14	ಟ್ಯಾಂಕ್ ಬಂಡ್ ರಸ್ತೆ	ಕಾಮತ್ ಹೋಟೆಲ್ ಮುಂಭಾಗದಿಂದ	ಸಂಗಂ ಟಾಕೀಸ್ ವರೆಗೆ	ಪೂರ್ವ ದಿಕ್ಕು-60
15	ಪ್ರಣ್ಯಯ್ಯ ಛತ್ರ ರಸ್ತೆ	ಕಾರ್ಪೋರೇಷನ್ ಬಿಲ್ಡಿಂಗ್ ಮುಂಭಾಗ	ಕಾರ್ಪೋರೇಷನ್ ಬಿಲ್ಡಿಂಗ್ ಮುಂಭಾಗ	ದಕ್ಷಿಣ ದಿಕ್ಕು-20

5.ಲಘು ಮೋಟಾರು ವಾಹನಗಳ ನಿಲುಗಡೆ

ಕ್ರ.ಸಂ	ರಸ್ತೆಯ ಹೆಸರು	ಇಂದ	ವರೆಗೆ	ದಿಕ್ಕು
1	ಎಸ್.ಸಿ ರಸ್ತೆ	ಎಂಪೈರ್ ಹೋಟೆಲ್ ನಿಂದ	ಕಮಾಲಿ ಟಾಕೀಸ್ ವರೆಗೆ	ಪೂರ್ವ ದಿಕ್ಕು-30
2	ಗಾಂಧಿನಗರ 5ನೇ ಮುಖ್ಯರಸ್ತೆ	ಟಿ.ಟಿ ವೃತ್ತದಿಂದ	ಗಾಂಧಿನಗರ 6ನೇ ಅಡ್ಡರಸ್ತೆವರೆಗೆ	ಪಶ್ಚಿಮ ದಿಕ್ಕು-40
3	ಗಾಂಧಿನಗರ 2ನೇ ಮುಖ್ಯರಸ್ತೆ	ಗಾಂಧಿನಗರ 6ನೇ ಅಡ್ಡರಸ್ತೆಯಿಂದ	ವೈರಾಮಚಂದ್ರ ಜಂಕ್ಷನ್	ಪಶ್ಚಿಮ ದಿಕ್ಕು-ದ್ವಿಚಕ್ರ ಮತ್ತು ಲಘು ವಾಹನ
4	ಗಾಂಧಿನಗರ 6ನೇ ಕ್ರಾಸ್	1ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	5ನೇ ಮುಖ್ಯ ರಸ್ತೆ ಗಾಂಧಿ ನಗರ	ದಕ್ಷಿಣ ದಿಕ್ಕು-ದ್ವಿಚಕ್ರ ಮತ್ತು ಲಘು ವಾಹನ
5	ಗಾಂಧಿನಗರ 5ನೇ ಕ್ರಾಸ್	2ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	5ನೇ ಮುಖ್ಯ ರಸ್ತೆ ಗಾಂಧಿ ನಗರ	ಉತ್ತರ ದಿಕ್ಕು-ದ್ವಿಚಕ್ರ ಮತ್ತು ಲಘು ವಾಹನ
6	ಗಾಂಧಿನಗರ 6ನೇ ಕ್ರಾಸ್	1ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	5ನೇ ಮುಖ್ಯ ರಸ್ತೆ ಗಾಂಧಿ ನಗರ	ದಕ್ಷಿಣ ದಿಕ್ಕು-ದ್ವಿಚಕ್ರ ಮತ್ತು ಲಘು ವಾಹನ

7	ಗಾಂಧಿನಗರ 5ನೇ ಕ್ರಾಸ್	2ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	5ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	ದಕ್ಷಿಣ ದಿಕ್ಕು-ದ್ವಿಚಕ್ರ ಮತ್ತು ಲಘು ವಾಹನ
8	ಗಾಂಧಿನಗರ 4ನೇ ಕ್ರಾಸ್	2ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	5ನೇ ಮುಖ್ಯರಸ್ತೆ ಗಾಂಧಿನಗರ	ಉತ್ತರ ದಿಕ್ಕು-ದ್ವಿಚಕ್ರ ಮತ್ತು ಲಘು ವಾಹನ
9	ಗಾಂಧಿನಗರ 1ನೇ ಕ್ರಾಸ್	ಗಾಂಧಿನಗರ 1ನೇ ಮುಖ್ಯರಸ್ತೆಯಿಂದ	ಗಾಂಧಿನಗರ 5ನೇ ಮುಖ್ಯರಸ್ತೆವರೆಗೆ	ಉತ್ತರ ದಿಕ್ಕು-20
10	ವೈರಾಮಚಂದ್ರ ರಸ್ತೆ	ಕನಕದಾಸ ವೃತ್ತದಿಂದ	ಪ್ಯಾಲೇಸ್ ರಸ್ತೆ ಜಂಕ್ಷನ್ ವರೆಗು	ಪಶ್ಚಿಮ ದಿಕ್ಕು-30
11	ಟ್ಯಾಂಕ್ ಬಂಡ್ ರಸ್ತೆ	ಉಪ್ಪಾರಪೇಟೆ ಪಿ.ಎಸ್ ನಿಂದ	ಎಲ್ಬೆಟ್ ಜಂಕ್ಷನ್ ವರೆಗೆ	ಪಶ್ಚಿಮ ದಿಕ್ಕು-12

6. "ಯು ತಿರುವು" ನಿಷೇಧ

ಕ್ರ.ಸಂ	ರಸ್ತೆಯ ಹೆಸರು	ಜಂಕ್ಷನ್ ಹೆಸರು
1	ಶೇಷಾದ್ರಿ ರಸ್ತೆ	ಸುಬ್ಬಣ್ಣ ವೃತ್ತದ ಬಳಿ

7. "ಬಲ ತಿರುವು" ನಿಷೇಧ

ಕ್ರ.ಸಂ	ರಸ್ತೆಯ ಹೆಸರು	ಜಂಕ್ಷನ್ ಹೆಸರು
1	ಆಸ್ಪತ್ರೆ ರಸ್ತೆ	ಅವಿನ್ಯೂ ರಸ್ತೆಯಲ್ಲಿ ಸಿಟಿ ಮಾರ್ಕೆಟ್ ವೃತ್ತದ ಕಡೆಯಿಂದ ಮೈಸೂರು ಬ್ಯಾಂಕ್ ವೃತ್ತದ ಕಡೆಗೆ
2	ಸುಭೇದಾರ್ ಛತ್ರಂ ರಸ್ತೆ	ಕಪಾಲಿ ಗಲ್ಲಿ

8. "ಎಡ ತಿರುವು" ನಿಷೇಧ

ಕ್ರ.ಸಂ	ರಸ್ತೆಯ ಹೆಸರು	ಜಂಕ್ಷನ್ ಹೆಸರು
1	ಕೆಂಪೇಗೌಡ ರಸ್ತೆ	1ನೇ ಕ್ರಾಸ್ ಕೆ.ಜಿ. ರಸ್ತೆಯಿಂದ ಆಸ್ಪತ್ರೆ ರಸ್ತೆಯ ಜಂಕ್ಷನ್ ವರೆಗೆ
2	ಕೆಂಪೇಗೌಡ ರಸ್ತೆ	3ನೇ ಕ್ರಾಸ್ ಕೆ.ಜಿ. ರಸ್ತೆಯಿಂದ ಆಸ್ಪತ್ರೆ ರಸ್ತೆಯ ಜಂಕ್ಷನ್ ವರೆಗೆ

9.ನಿಧಾನವಾಗಿ ಸಾಗುವ ವಾಹನಗಳ ನಿಷೇಧ

ಕ್ರ.ಸಂ	ರಸ್ತೆಯ ಹೆಸರು	ಇಂದ	ವರೆಗೆ
1	ಕೆ.ಜಿ. ರಸ್ತೆ	ಮೈಸೂರು ಬ್ಯಾಂಕ್ ವೃತ್ತದಿಂದ	ಎಲ್ಬೆಟ್ ಜಂಕ್ಷನ್ ವರೆಗೆ
2	ಶೇಷಾದ್ರಿ ರಸ್ತೆ	ಜೋಡಿ ವೃತ್ತದಿಂದ	ಮಹಾರಾಣಿ ಕಾಲೇಜ್ ಜಂಕ್ಷನ್ ವರೆಗೆ

3	ಟಿ.ಬಿ. ರಸ್ತೆ	ಉಪ್ಪಾರವೇಟಿ ಪೊಲೀಸ್ ರಾಣೆ ಜಂಕ್ಷನ್ ನಿಂದ	ಶೇಷಾದ್ರಿ ರಸ್ತೆ ವರೆಗೆ
4	ಪ್ಯಾಲೇಸ್ ರಸ್ತೆ	ಮಹಾರಾಣಿ ಕಾಲೇಜ್ ಜಂಕ್ಷನ್ ನಿಂದ	ಮೈಸೂರು ಬ್ಯಾಂಕ್ ವೃತ್ತರವರೆಗೆ
5	ಆನಂದ್ ರಾವ್ ವೃತ್ತ	ಆನಂದ್ ರಾವ್ ವೃತ್ತದಿಂದ	ಎಸ್.ಸಿ. ರಸ್ತೆ ಜಂಕ್ಷನ್ ವರೆಗೆ

10.ಆಟೋ ನಿಲ್ದಾಣ

ಕ್ರ.ಸಂ	ರಸ್ತೆಯ ಹೆಸರು	ಆಟೋ ನಿಲ್ದಾಣ ಸ್ಥಳದ ವಿವರ
1	ಕೆ.ಎಸ್.ಆರ್.ಟಿ.ಸಿ ಸರ್ವಿಸ್ ರಸ್ತೆ.	ಕೆ.ಎಸ್.ಆರ್.ಟಿ.ಸಿ ಬಸ್ ಒಳ ಹೋಗುವ ಗೇಟ್ ಬಳಿ
2	ಆಸ್ಪತ್ರೆ ರಸ್ತೆ	ಅವಿನ್ಯೂ ರಸ್ತೆ ಜಂಕ್ಷನ್ ಬಳಿ
3	ಗಾಂಧಿನಗರ 5ನೇ ಮುಖ್ಯರಸ್ತೆ	ಟಿ.ಪಿ.ಟಿ. ಜಂಕ್ಷನ್ ಬಳಿ

11.ಪ್ರೀಪೇಯ್ಡ್ ಆಟೋ ನಿಲ್ದಾಣ

ಕ್ರ.ಸಂ	ರಸ್ತೆಯ ಹೆಸರು	ಪ್ರೀಪೇಯ್ಡ್ ಆಟೋ ನಿಲ್ದಾಣ ಸ್ಥಳದ ವಿವರ
1	ಕೆ.ಎಸ್.ಆರ್.ಟಿ.ಸಿ. ಸರ್ವಿಸ್ ರಸ್ತೆ	ಕೆಂಪೇಗೌಡ ಬಸ್ ನಿಲ್ದಾಣದ ಕೆ.ಎಸ್.ಆರ್.ಟಿ.ಸಿ. ಹಾಗೂ ಬಿ.ಎಂ.ಟಿ.ಸಿ. ಬಸ್ ನಿಲ್ದಾಣಗಳ ಮಧ್ಯ

12.ನಿಶ್ಯಬ್ಧ ವಲಯ

ಕ್ರ.ಸಂ	ರಸ್ತೆಯ ಹೆಸರು	ಇಂದ	ವರೆಗೆ
1	ಗಾಂಧಿನಗರ 6ನೇ ಕ್ರಾಸ್	ಯೂನಿಯನ್ ಬ್ಯಾಂಕ್ ಜಂಕ್ಷನ್ ನಿಂದ	ಮೂವಿಲ್ಯಾಂಡ್ ಜಂಕ್ಷನ್ ವರೆಗೆ
2	ಆಯುರ್ವೇದಿಕ್ ಆಸ್ಪತ್ರೆಯ ರಸ್ತೆ	ಆಯುರ್ವೇದಿಕ್ ಆಸ್ಪತ್ರೆಯಿಂದ	ಆನಂದ್ ರಾವ್ ಅಪ್ ರ್ಯಾಂಪ್ ವರೆಗೆ
3	ವೈರಾಮಚಂದ್ರ ರಸ್ತೆ (2ನೇ ಅಡ್ಡ ರಸ್ತೆ ಗಾಂಧಿನಗರ)	ಆಯುರ್ವೇದಿಕ್ ಆಸ್ಪತ್ರೆಯಿಚಿರ	ಆರ್ಯ ವಿದ್ಯಾ ಶಾಲೆಯ ಬಳಿ
4	1ನೇ ಅಡ್ಡ ರಸ್ತೆ ಗಾಂಧಿನಗರ	ಲಕ್ಷ್ಮೀ ಬಿಲ್ಡರ್ಸ್ ಹೇಲ್ತ್ ಕೇರ್ ಬಳಿ	ಲಕ್ಷ್ಮೀ ಬಿಲ್ಡರ್ಸ್ ಹೇಲ್ತ್ ಕೇರ್ ಬಳಿ

ಅಂತೆಯೇ ಕಲಂ 116 ಮೋಟಾರ್ ವಾಹನ ಕಾಯ್ದೆ 1988 ಹಾಗೂ ಕಲಂ 4 ಕರ್ನಾಟಕ ಟ್ರಾಫಿಕ್ ಕಂಟ್ರೋಲ್ ಆಕ್ಟ್ 1960 ರಲ್ಲಿ ಪ್ರದತ್ತವಾದ ಅಧಿಕಾರವನ್ನು ಚಲಾಯಿಸಿ ಮೇಲ್ಕಂಡ ಮಾರ್ಪಾಡುಗಳನ್ನು ಜಾರಿಗೊಳಿಸಲು ಬೇಕಾದ ಅಗತ್ಯ ಸೂಚನಾ ಫಲಕಗಳನ್ನು ಸೂಕ್ತ ಸ್ಥಳಗಳಲ್ಲಿ ಅಳವಡಿಸಲು ಸ್ಥಳೀಯ ಅಧಿಕಾರಿಗಳಿಗೆ ಆದೇಶಿಸಿರುತ್ತೇನೆ.

ರಸ್ತೆ ಬಳಕೆದಾರರ ಸುಗಮ ಸಂಚಾರಕ್ಕೆ ಉಪ್ಪಾರಪೇಟೆ ಸಂಚಾರ ಪೊಲೀಸ್ ಠಾಣಾ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಮೇಲ್ಕಂಡಂತೆ ಮಾಡಲಾದ ಮಾರ್ಪಾಡುಗಳು ದಿನಾಂಕ: 15-06-2020 ರಿಂದ ಜಾರಿಯಲ್ಲಿರುವಂತೆ ಆದೇಶಿಸಿರುತ್ತೇನೆ.

ಈ ಆದೇಶವನ್ನು ನಾನು ಈ ದಿನ ದೃಢೀಕರಿಸಿದ್ದೇನೆ ದಿನಾಂಕ: 14-06-2020 ರಂದು ನನ್ನ ಸಹಿ ಮತ್ತು ಮುದ್ರೆಯೊಂದಿಗೆ ನೀಡಿರುತ್ತೇನೆ.

ಪೊಲೀಸ್ ಆಯುಕ್ತರು ಮತ್ತು ದಂಡಾಧಿಕಾರಿ ಬೆಂಗಳೂರು ನಗರ ಜಿಲ್ಲೆ
Seal of the Commissioner of Police & District Magistrate Bengaluru City

(ಭಾಸ್ಕರ್‌ರಾವ್)
ಪೊಲೀಸ್ ಕಮೀಷನರ್,
ಬೆಂಗಳೂರು ನಗರ.
Commissioner of Police
Bangalore City

ಗೆ,

1. ಸಂಕಲನಾಧಿಕಾರಿಗಳು, ಕರ್ನಾಟಕ ರಾಜ್ಯ ಪತ್ರ ವಿಭಾಗ, ಸರ್ಕಾರಿ ಹೊರವಲಯ ಮುದ್ರಣಾಲಯ, ಮೈಸೂರು ರಸ್ತೆ, ಬೆಂಗಳೂರು. ರವರಿಗೆ ಕಳುಹಿಸಿದ್ದು, ಇದನ್ನು ರಾಜ್ಯ ಪತ್ರದಲ್ಲಿ ಪ್ರಕಟಣೆಗೊಳಿಸಲು ಕೋರಲಾಗಿದೆ.
2. ಸಂಬಂಧಪಟ್ಟವರಿಗೆ

SECTION IX

Non Performance Standards and Liquidated Damages

The Performance Standards and Corresponding Liquidated Damages is listed in the table below Liquidated Damages are over & above the non-performance deductions.

Sl. No	Performance Indicator	Performance Standard	Method of Measurement	Frequency of Measurement	Liquidated Damages	Remarks
1	**Nonperformance of MLCP more than a week.**	100%	No. of days	Daily	0.1% Per day of annual contract amount	Maximum Liquidated damages is 10% of annual contract amount. The contract gets terminated if Liquidated damages exceeds 10% of annual contract amount.

SECTION X Price BID

(TobesubmittedinFinancialbid Online only)

FROM:(NameofServiceProvider) TO:Executive Engineer
RI-TEC, Division
Bhruhat Bengaluru
Mahanagar Palike

Name of work: Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10 years.

We, the undersigned, offer to provide the services for "Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10 years". in accordance withyour Request for Proposaldated *[Date],* and our Proposal (technicalandFinancialProposals).Ourattachedfinancialproposalis as below. *(including GST & all other taxes].*

Sl No	**Nameoft hework**	**PaymentscheduleasperBBMP**			
		ContractPeriod	**Minimum Annual Amount Fixed**	**AnnualBidAmount to be quoted in Rupees**	
(1)	(2)	(3)	(4)	(5) In Figures	(6) In Words
1	Providing Smart Solution and Operation & Maintenance of Multi-Level Car Parking (MLCP) at Freedom Park, Gandhinagar for a period of 10 years.	1st year from thedateCommissioning	1.5 Crores		.
		2nd year	1.5 Crores		
		3rd year	1.5 Crores		
		4th year	1.5 Crores		
		5thyear	1.5 Crores		
		6thyear	1.65Crores		
		7thyear	1.80 Crores		
		8thyear	2.00 Crores		
		9thyear	2.20 Crores		
		10thyear	2.40Crores		

Our financial proposal shall be binding upon us subject to the modifications resulting fromcontractnegotiations,up toexpirationofthevalidityperiodoftheProposal.i.e.,*[Date].*

We undertake that, in competing for (and, if the award is made to us in executing) the abovecontract, we will strictly observe the laws against fraud and corruption in force in India namely"PreventionofCorruptionAct1988".

We understand you are not bound to accept any Proposal you receive.Weremain,

Yourssincerely,

AuthorizedSignature:
NameandTitleofSignatory:
NameoftheServiceProvider:Address:

Note: **1) TheTenderershouldnote PerformanceSecurityDepositamountandMinimumAnnualAmountpayabletoBBMP.TheTenderershouldquotetheannual amount equal or morethanthe MinimumAnnualAmount fixed as shown in the Column No. (4) of the above table failing which the bids willbeliable toberejected.**

2) The Tenderer has to pay the bid amount of particular year in 4 equal installments at the end of each quarter.

BANK GUARANTEE FORMAT FOR EARNEST MONEYDEPOSIT

To
Chief Commissioner
Bruhat Bengaluru Mahanagara Palike
N. R. Square
Bengaluru – 560 002

In accordance with your Tender No. dated for the Work of …….(Name of the work) (hereinafter called "the Tender"), M/s. _____one of the Tenderers (hereinafter called the "the Tenderer") having its Registered Office at _____ , wishes to participate in the said Tender and an irrevocable Bank Guarantee against Earnest Money Deposit for an Amount of Rs. _____(Rupees) is required to be submitted by the Tenderer towards the Tender Security.

KNOW ALL MEN by these presents that we,_____ (Name of Bank) of _____(Name of Country) having our Registered Office at _____(hereinafter called "the Bank") at the Request of the Tenderer do hereby unequivocally and unconditionally guarantee the same Amount as stated above. The Bank is bound unto Bruhat Bengaluru Mahanagara Palike, N. R. Square, Bengaluru – 560 002 (hereinafter called "the Employer) in the same Amount as stated above for which Payment well and truly to be made to the said Employer, the Bank binds himself, his Successors and Assigns by these presents.

SEALED with the Seal of the said Bank this day_____ of 20_____

The Conditions of this Obligation are:

1. If the Tenderer withdraws his Tender after Tender Opening during the Period of Tender Validity specified in the Tender Document; or
2. If the Tenderer does not accept the Correction of the Tender Price in accordance with the Instructions to Tenderers.
3. If the Tenderer having been notified of the Acceptance of his Tender by the Employer during the Period of Tender Validity
   a. Fails or refuses to execute the Form of Agreement in accordance with the Instructions to Tenderers; or
   b. Fails or refuses to furnish the Performance Security in accordance with the Instructions to Tenderers.

We undertake to pay to the Employer upto the above Amount upon Receipt of his First Written Demand, without the Employer having to substantiate his Demand, provided that in his Demand the Employer will note that the Amount claimed by him is due to him owing to the Occurrence of one or any of the Conditions, specifying the

Occurred Condition or Conditions.

This Guarantee will remain in force upto and including (Date) i.e. 90 (ninety) days beyond the Tender Validity as such Deadline is stated in the Instructions to Tenderers or it may be extended by the Employer, Notice of which Extension (s) to the Bank shall be received from the Tenderer on whose behalf this Guarantee has been issued. Any Demand in respect of this Guarantee should reach the Bank not later than the above Date.

Date _____
Signature of the Bank _____
Seal of the Bank _____

Signature of the Witness _____
Name and Address of the Witness_____

FORMAT OF BANKER'S CERTIFICATE/LINE OF CREDIT LETTER
(To be Issued in the Letter Head of the Bank Branch)

Reference Number (Sl. No.)

Place:

Date:

To,

This is tocertifythat Mr./M/s. _____(Name of the Customer) having his/thier registered/ administrative office at _____ is a customer of our Bank and is/are engaged in _____ (nature of activity). If the said customer is alloted / awarded with_____(brief details of works), we may extend credit facilities upto Rs _____ lakh, to meet his/thier WorkingCapitalRequirementstowards the execution of the said work order as per the loan policy of the Bank.

Sd/-

Nameof
theBank,SeniorBank
MangerAddress

Appendix H:

Functional Requirements of Smart Parking Solutions

Parking Management System	
Parking Location	
▯	Parking Management System must geo-reference all the parking lots and shall have the ability to add more locations in future**.**
▯	All parking lots must have one-to-one mapping of all the sensors and POS/Payment systems in that location.
▯	Each parking lot can have a local server for storage and hosting the local parking management application or it can connect via Wi-Fi or other Communication network to central server for exchange of data/information.
Parking Information/Guidance	
▯	Parking Management System should enable stakeholders/users to obtain real time information about the availability of the parking lot by location based on the occupancy of parking lot. Also, shall have facility to user to be able to view availability by proximity and cost.
▯	The total number of slots and free slots for parking must be displayed on a digital signboard near the parking lots. The Parking Management System's integration with other elements within the tender scope must facilitated is play of parking information at variable messaging displays deployed at key points of interest in the Bengaluru city.
▯	Entry to any parking space should have outdoor displays/screens showing overall availability of parking slots on real time basis in that particular parking space
▯	Every parking space shall be fitted with occupancy sensors for vehicle detection. Sensor should be intelligent and accurately detect if the vehicles space is vacant or occupied. • Appropriate sensors should be chosen based on the type of the parking

	spot and its external conditions. • The sensor should be able to detect a vehicle irrespective of the depth or height of sensor installation. Each sensor should have its own unique identification in order to be accurately tracked by the Parking Guidance System. • Each sensor should have an accurate and real time feedback mechanism to be detected automatically by the system in case of faults.
	Each of the Parking shall be fitted with an aisle light indicator for informing users on their availability on-site: • Light indicators should be installed for all parking lots for motorist to see the available and occupied spaces from the parking lane easily. • Once a parking spot is occupied the total parking slots should automatically get updated. • The fixation of the light indicators to the ceiling should be easy and fast, and should use a quick fastening clips to easy the installation.
	Informative Display Panels should be installed at all entry points of the parking lot indicating available spaces for each parking aisle, bay/zone/level, total parking and should be able to be customized by software. The display panel should be easy to understand and must have graphical directional and zone status indication (as red crosses for zone full or green directional arrows to guide drivers to zones with available spaces).
	Entry to any parking space should have outdoor displays/screens showing overall availability of parking slots in that particular parking space.
	All the Parking Information/guidance system hardware like Sensors, display will be integrated with Parking Guidance Controller which monitors the status of occupancy and controls guidance signs appropriately.
Parking Access Control/Management	
	Each parking shall have parking ticket dispenser machine at the entrance where the ticket can be issued by the machine on pressing the button by the user/operator.
	Each entry lane should be equipped with one Entry Device with the following capabilities: • Ticket Dispenser • Medium for motorist to enter Unique Booking Number • EMV compliant CPC reader
	The ticket, QR Code and CPC or any other technology used by Developer should be capable of capturing data that is easily retrievable at the exit.
	Every vehicle entering the parking space should be stopped by barrier. The barrier is raised when the motorist Is issued a ticket or has been identified as a legitimate user.
	In case the parking lot is already occupied to its capacity, the ticket issuing should automatically be blocked and therefore, the barrier should not open.
	A message should also be displayed on the outdoor screen stating the same.

	The Entry Device should be able to detect and report: • Anti-pass back • Back-out ticket • Low ticket stock
	The display on Entry Device should have capability to display messages in English, Hindi and other Regional languages.
	Any vehicle, before leaving the parking area, should be stopped by a barrier system at the point of exit from the parking.
	The solution should also include provision to capture the image of the vehicle including license plate view exiting any of the parking spaces and all the information related to the same should be stored at a central server.
	Exit of every parking should be equipped with a manned Pay station (booth). • For motorists who enter the parking lot using CPC, the same shall be recorded in the system and while exiting, the payment shall be deducted from that card. If the user fails to show up same CPC which was used while entering, the system should not allow the exit and the user must pay the amount as per business rules as specified by Client. • If any discounting is allowed for parking, the business rules for the same shall be handled with prior approval from LSCL/LMC. • The personnel monitoring the exit Pay Station is also required to manually enter the License number details in the system so that the license number, along with date and time of exit, is stored in the database.
	Once the vehicle exits a parking slot, the total parking slots available in that parking space should automatically get updated.
	Only after completing the full cycle correctly the transaction will be considered as valid within the car park. However, audit trail of each Complete, incomplete and cancelled transaction should be available in the system.
	The solution should be equipped with Anti-pass back technology and be Able to detect and report any instance pass back.
	The barrier should remain in closed position for optimal period of time for the vehicle to Pass at entrance and exit.
	Barrier Arms should have the following options: In closed position the full arm should be illuminated. During movement the full arm should be illuminated yellow. Once reached open position the full arm should be illuminated Green.
	Upon horizontal impact by a vehicle, the barrier arm should get detached from the barrier unit with minimal damage to the vehicle and the barrier. Motor mechanism. An alarm should also be raised and sent to the server
	Upon impact during closure, the arm will stop and stay in the same position. Under no circumstances should the arm re-open upon impact. This is top revent keeping the arm open for illegal entries or exits. • The barrier arm should be easy to refit with barrier unit in a short

	duration (within one minute). • If for any reason and external override (fire system) needs to be connected, then this should only be possible over the Entry/exit Device and the switch should be permanently monitored by the Parking Management System.
	The solution should have capability to capture image of the license plates of the vehicles at every entry and exit of each parking lot. The image should be clicked at the entry point when the ticket is issued and at the exit point during payment. The image of the license plate should be linked to the details of the corresponding ticket issued in real- time and stored in the data base for one month. This information will be stored in the server.
	Parking Management System shall track vehicles entering and exiting parking lots. The Parking Management System should do so at each floor, incase of multi level parking and communicate the data.
	The Parking Management System should retain videos of car entering /exiting the parking zone.
Parking Pricing and Payment	
	The Parking Management System should facilitate real time revision of parking fees and should enable real time communication of rules to hand held terminal and parking booths/kiosks from Central facility/Control Centre.
	Payment sub system shall have the capability of processing and reporting separately numerous transactions including, but not limited to the following: • Normal transaction • Lost ticket transaction • Insufficient funds transaction • Mutilated or unreadable ticket transaction • Non-revenue (no charge) transaction • Blank or used ticket transaction • Validation transaction
	Parking Management System should enable LSCL/LMC or any other appointed third party to facilitate generation of parking receipts and tickets based on occupancy of parking lots and business rules to be amended from time to time.
	User shall have the multiple payment options as given below. • Primary mode of payment for parking will be by cash at the Pay Station • Common Payment Card (CPC) • For bookings through Citizen App or Smart Web portal application, payment will be made using e-Wallet, net banking, credit card, debit card etc. • Additionally, the developer can implement innovative and cost-effective payment methods (such as e- vouchers) for customers opting for monthly reserved • Parking passes.
Audit, Performance MIS Reports and Alerts	
	PMS should track each and every revenue source and should ensure no leakages due to manual intervention.

	All vehicular passages during the time that the barrier is not functional / down should be recorded and displayed in the reports separately in order to audit the necessary revenue transactions during that time.
	System shall daily check whether the vehicles that have entered the premises and are yet to leave. Thereby it should be able to generate alert if any vehicle is over staying in the parking lot over24hrs.
	In case of any sensor or barrier non-functional, an alert should be sent to the console and server to ensure that the administrator is informed that the device is not working.
	Parking Management System should: • Report occupancy of parking lots to a central software application deployed at the control room. • Include central reporting system establishing the connection between the devices and sensors, and the centralized control room. • Include reporting dashboards with location specific thresholds to be set for generating customized reports be capable of monitoring the number of vehicles that entered or exited the parking premises during any given time. • Generate reports for each parking spot, in each of the parking lots capturing utilization, cost, and revenue details, and details of assets, people and etc. These reports should be available in all standard acceptable formats like .csv, .pdf, .txt, etc.
Stand by or Breakdown/Off-Line/Manual mode	
	PMS should include the use of wireless handheld device for parking. This device shall be used as a fallback mechanism. However, this device must track every transaction limiting any manual transaction to zero.
	In case of high traffic at any of the parking lots or during peak hours, it should be possible for the wireless handheld device to be used as central cashiering device (i.e. it should be possible to scan the QR Code on tickets issued by the entry device and issue receipts post payment, so that the motorists could pay for the parking and then drive out quickly), without any time consumed for payment transactions at the exit. • The device should have capability to print parking receipts and bar coded tickets in real time. • Both the functionality of ticket dispensing & cash register should be possible to be combined in one device. • This wireless handheld device should be an online unit, however, in case of network failure, the device should have capability to transact offline and sync with the server as and when connection is restored.
Maintenance Mode	
	The central system and all the equipment (barrier gates, ticket dispenser, PO Sun its etc.) shall support maintenance mode during repair, replacement and testing of equipment.
	All transactions done during the maintenance mode on a ticket dispenser or a handheld ticketing machine shall be possible only using a special maintenance smart card issued specifically for the purpose.
	All such maintenance media shall be deposited with the Client and written requests shall be raised by the developer if they have to be issued to them.

▯	All transactions carried out in the maintenance mode shall be reported separately similar to exception transactions.
▯	The maintenance mode shall be possible only by using a dedicated maintenance “user privilege login” specially created for this purpose.
Central System	
▯	Uploaded data shall not be deleted from system readers or work stations until the central system has provided confirmation that the transactions have been successfully received.
▯	The central system shall be able to update its date and time applying time synchronization to servers and using this to in turn update the date and time on all system devices and work stations.
▯	All active equipment shall have an internally maintained date and time clock synchronize data time interval via the communications controller with the Central System date and time clock.
▯	The time synchronization application in the device shall have the capability to adjust the minimum time interval for updating itself with the central system time and date, and shall be capable to update time as often as every minute (configurable) with the central system.
▯	The central system shall manage all device activity and maintain their logs including at a minimum: • Data storage and processing systems • Financial systems • Customer databases • Sales and transaction systems
▯	All equipment shall operate with a real-time data connection to the central system via the communications network for that equipment.
▯	If the data connection to the central system is temporarily lost, all Equipment shall seamlessly switch to an offline mode in which all data is temporarily stored in internal memory and transmitted to the central system
▯	All equipment shall have sufficient memory to operate in offline mode, with no loss of data, for no less than 168 hours.
▯	The central software shall support managing parking fare tables.
▯	It shall be possible to “future-date” pending fare tables so that they can be uploaded ahead-of-time and automatically activated at the planned date and time.
▯	All ticket dispensers and hand held ticketing machines shall store the current valid fare-set as well as a future “pending” fare-set with activation date and time in order to allow downloads to the device to occur in advance.
▯	When the activation date and time passes, the ticket dispenser and the hand held ticketing device shall automatically replace the existing fare table with the “pending” fare table.
▯	Updated fare-sets shall be downloaded as soon as the central system publishes notice that they have become available.
▯	The central software shall be capable of providing over-the-air fare table updates & firmware updates to the hand held ticketing devices apart from other immediate critical updates.

	The systems should be driven by configurable parameters and should provide the flexibility for maximum configuration. The configurations shall be for, but not limited to: • Time based Fare table etc. • User Groups and users privileges • Time validity of ticket • Time validity of CPC • Penalties associated with the CPC misuse • Pass back time on CPC use • Addition & deletion of equipment, nodes, parking lots, handhelds, user groups, users etc. • Reports access
	The system shall handle all exceptions. Exceptions can be, but not limited to: • CPC not being read • QR coded ticket not being read • Low balance on CPC • Manual opening of the barrier gate • Paper ticket lost • QR coded paper ticket not readable after entry • CPC lost after entry • CPC damaged after entry • Any other exception as reported.
	Any exception in the normal process shall be flagged separately for auditing and reports should reflect this condition. Mechanisms should be provided to help audit such exceptions.
	The system shall handle all degraded conditions which can be, but are not limited of the following: • Ticket Dispenser is not functional • Power failures • Data Connection lost • Particular node down • Central Server down • Any other conditions as reported
	Alterative mechanisms and all required systems shall be provided for the system in case system is in degraded state as specified but not limited to the above by the developer.
	There should be provision in the system to enter degraded transactions, in case they are not registered because of degraded operations.
	There shall be back-up hand held machines capable of performing all the functions of the Parking Station if ever the system is down for some reason.
	The back-up handhelds shall be a miniature of the capabilities of the Ticket Dispenser and POS units in all respects such as transaction times ,issuing of various fare media etc.
	There shall be provision for data transfer from the back-up hand-held machines to the central system once the system is “UP” and running,

	preferably using wired transfer authenticated by a registered user. In no case there should be any duplicity and missing transactions/data in the central database.
	The developer should provide an automated Fault Monitoring Module to generate reports identifying the faults of the equipment if any on a daily basis. The fault monitoring system shall have as a minimum the following capabilities: • Setting up of automatic and manual alerts • Automatic fault detection & reporting • Fault Status reports • Fault Closure reports
	The reports shall be non-editable and the Client and/or its representatives shall have real time access to the Fault Monitoring Module with user privileges of the highest level.
	Automatic Backup/Archiving Software shall provide automatic back-up of the entire database. The software shall allow taking complete back up or incremental back as per the desired archival policy.
Monitoring & Control Dashboard	
	The parking control center operator shall be provided with a dashboard and monitoring system that is completely independent from the revenue transaction system and shall be displayed and monitored at the parking facility and in the central control room. This system shall record the following information: • The total number of vehicles crossing the gate loop in each controlled entrance and exit lane (count to be obtained regardless of status of equipment components e.g., gate arm raised). • The total numbers of valid card access vehicles for each controlled entrance and exit lane. • The total numbers of valid daily vehicles for each controlled entrance and exit lane. • The number of violation vehicles for each controlled access lane. A violation vehicle is defined as a forced or un-authorized passage of vehicle over the detection area.
	On this dashboard there shall be a schematic layout showing all the connected parking nodes on the GUI.
	The various nodes when connected & disconnected shall be represented indifferent color scheme on the GUI of the control center operator.
	If any particular node is disconnected from the control room, the same shall raise an alarm appropriate action shall be taken to rectify the same.
	The monitoring dashboard shall allow the operator to click on any node &view the details of the “operator” logged in, time duration since logged in, summary of transaction performed, disable/enable Entry/Exit Station or POS terminal, other components of parking system.
	The monitoring dashboard shall show the status (connected/ disconnected, faulty/working) of all logical devices (barrier gate, ticket dispenser, camera, CPC reader, receipt printer, QR code reader and other equipment) connected to a particular node when clicking on a node from the monitoring dashboard GUI.

	In case of any fault in the devices connected to a node, or connectivity failure with a node, a pop-up message shall appear on the monitoring dashboard work station. The operator has to acknowledge the pop-up message & report the type of fault to the maintenance team & shall record the details to the assigned team/individual into the system.
	Fault assignment to the maintenance team shall be managed and controlled by the system software only. Once a fault is assigned by the control room operator or authorized user to the maintenance team, the same shall be displayed in the maintenance module and once fault is closed/ resolved by the maintenance team it shall be updated automatically (incase of active devices) or else updated manually in the software application / maintenance module promptly.
System Data Requirements	
	Client shall own all system data and be able to use the central system to export transactions data for processing / analysis using other software.
	Data shall be retained in the database for at least the financial year previous to the current financial year.
	Data received from system devices shall be maintained at the original level of transactions and not be aggregated, consolidated, or combined within the database.
	Sufficient data storage capacity shall be provided in the central system to store online a minimum of one year of activity with full transactional data.
	All data shall be automatically backed-up daily without human intervention, using the backup devices and media.
	Meansshallbeprovidedtoautomaticallyarchivedataolderthanoneyearalongwiththearchivingmediatostorethedata.
	The functional capability shall be provided to use such archived data to process comparative type reports, such as but not limited to reports utilizing and comparing data from non-consecutive month periods in two different years, or day-of-week comparisons over multiple month or annual periods.
	The transactional database shall store the date/ time stamped details of each transaction including all information transmitted to the central system from the system devices.
	Client shall own all system data and be able to use the central system to export transactions data for processing / analysis using other software.
	Data shall be retained in the database for at least the financial year previous to the current financial year.
Citizen/ Operator/ Authority Interface	
	The Parking Management System should have a mobile and a web delivery channel for citizens to get real time parking availability and pre-book parking lots using online payment of parking charges facilitated through a payment gate way.
	A mobile application and web based user interface should be provided with the following features: • The application should have citizen module and officer module. • Through the citizen module, the user should be able to locate nearest parking lot and also pre-book based on his geographical coordinates. The same information must be made available on map with routing

	information. • The citizen should be able to see all the parking lots with exact available space in a real time mode. • While locating nearest parking lot, the latest parking slot availability should be given to the user. • The application should have an Authority/Operator module where PMC designated inspector / operator will be able to check compliance of slot occupancy against the fees paid by the citizen.
Integration with other Systems	
	Integration with Smart City Command Centre and Mobile Applications - Integration of various components provides seamless access of across the departments which help in operation. So the developer shall provide complete support for any third party integration required to integrate parking with Smart City Platform of LSC Land mobile applications to get real time data.
	Integration with Common Payment Card - A Common Payment Card (CPC) is being envisaged as part of Smart City Initiatives which shall be used for making payments at multiple merchandises across Bengaluru. The CPC shall be issued by Banks and will be accepted at most of the facilities in Bengaluru including utility payments, transit, parking etc. The developer shall work in close coordination with the CPC and other related agencies to make it workable.
	The system shall integrate with 3rd Party / Private parking Systems deployed across the City and provide the information to Citizens.
Variable Message Display Board	
	The VMS board will be deployed at nearby circles to the parking locations for ease of public to know the availability and direction of the parking locations.
	The Variable Message Display Board Should Consist of Variable Message Sign Board With Local Controller.
	A VMD software system shall be provided to the central control Room and /or Command & Control center for message preparation monitoring and control of the variable message signs. IP based Network equipment shall be provided to connect the VMD with the VMD software system.
	The VMD software application will allow user to publish specific messages for managing traffic and also general informative messages
	VMD software application will allow an operator to seamlessly toggle between multiple VMS points at each workstation in order to send specific messages to specific locations, as well as sending common message to all VMDs. VMD software application will accommodate different access rights to various control unit functionalities depending on operator status and as agreed with the client. Software should be GUI based, and capable to handle 100 VMS signage, user can select desired location in Map, by selecting the location live status of VMS should be displayed.
	The minimum size of the VMS will be 3mx2m

Technical Requirements of Smart Parking Solutions:

Parking Controller

	All occupancy sensors shall be integrated to the Parking Controller to give real time status of parking lot occupancy.
	The parking controller shall be rugged and shall have sufficient no. of I/O terminals to take feed from occupancy sensors. If multiple controllers are required to cater to occupancy sensors, the same shall be provided.
	Based on the feedback from the occupancy sensors and Parking System, the controller shall be able to control the parking guidance signals based on their location to guide users accordingly to nearest vacant slot.
	The Parking Controller shall have operating temperature range of 0 to +70°C.

Public Information Signs (PIS)	
	The PIS shall be used to display information to users at each parking station for the vacant slots.
	The PIS display board shall be industrial grade flat panels that can with stand the environmental and working conditions found in Bengaluru. The panels shall allow for 24x7 operations.
	The display systems shall have built-in test facility, able to carry out self-check at periodic intervals as well as exchange of diagnostic information from the parking management central system including power availability, and its current status.
	The display units shall support multi-lingual fonts in English & Hindi for easy reading.
	The signs shall include on-going self-diagnostics and shall send an alarm message to the central system in the event that a diagnostic fault is detected.
	The signs shall be based on LED technology with wide viewing angle suitable for viewing from varied angles and should have been of Amber color.
	The PIS shall be able to display a message composed of any combination of alphanumeric character fonts, punctuation symbols and full graphics.
	When messages are displayed in multiple languages, each language shall be rotated through hint urn.
	Time for which information is displayed in each language shall be configurable.
	Only outdoor rated UTPCAT 6 cable shall be used to connect the device to the respective switch port. If for any case, the distance between the switch port and device exceeds 90 m, use outdoor rated multi-mode fiber cable with environmentally rugged media converters.

Parking Guidance Signal	
	The Parking Guidance Signal shall be used to display information to users at each parking station for the vacant slots.
	The Parking Guidance Signal display board shall be industrial grade flat panels that can withstand the environmental and working conditions found in Bengaluru. The panels shall allow for 24x7 operations.

	The Parking Guidance Signal shall be of full matrix type with provisions to show Parking availability (in numeric format) and guided with arrow.
	The Parking Guidance Signal systems shall have built-in test facility, able to carry out self-check at periodic intervals as well as exchange of diagnostic information from the parking management central system
	The display units shall support multi-lingual fonts in English, Hindi for easy reading.
	The signs shall include on-going self-diagnostics and shall send an alarm message to the central system in the event that diagnostic faults detected.
	The signs shall be based on LED technology with wide viewing angle suitable for viewing from varied angles and should have been of Amber color.
	The PIS shall be able to display a message composed of any combination of alphanumeric character fonts, punctuation symbols and full graphics.
	When messages are displayed in multiple languages, each language shall be rotated through in turn.
	Time for which information is displayed in each language shall be configurable.
	Only outdoor rated UTPCAT 6 cable shall be used to connect the device to the respective switch port. If for any case, the distance between the switch port and device exceeds 90 m, use outdoor rated multi-mode fibre cable with environmentally rugged media converters.

Antivirus

	Antivirus shall be able to detect and block malicious software in real time, including viruses, worms, spyware, Trojan horses, adware, and Rootkit etc. It shall provide zero-day detection technology.
	Antivirus shall protect the system from multiple forms of anomalous network behavior that is designed to disrupt system availability and stability.
	Antivirus shall be able to identify infections by name, category, severity, hosts and user etc.
	Antivirus shall be able to report Bot incidents by specific malicious activity (spy ware, IP scanning, spam etc.).The antivirus shall have built in intelligence and co-relation capability to inspect, detect and block active and dormant bots.
	Antivirus shall be able to block devices based on Windows Class ID. Devices shall include USB, Infrared, Bluetooth, Serial Port, Parallel Port, Fire Wire etc. Anti virus shall block or give permissions for such devices.
	Antivirus shall protect transmission of data being sent to hacker system who has spoofed their IP or MAC address.
	Antivirus shall scan email traffic including email client like Outlook.
	Antivirus shall include content filtering and data loss prevention.
	Antivirus shall have features to prevent peer to peer sharing, streaming media, games and other applications from internet.

	Antivirus shall have built in URL filtering.
	Antivirus shall provide standard and customized reports.

Firewall

	Firewall shall have the capability for proactive network attack detection.
	Firewall shall prevent replay attack.
	Firewallshallhaveaunifiedaccesscontrolwithfunctionalitiessuchas: • Brute force attack mitigation • Sync cookie protection • Zone based IP spoofing • Malformed packet protection
	FirewallshallhaveanIntrusionPreventionSystem(IPS)withfollowingfeatures: • Stateful Operation: ➢ IP Defragmentation ➢ Bi-directional Inspection ➢ Access Lists • Alert sand updates: ➢ Alerting SNMP ➢ Log File ➢ Syslog ➢ E-mail ➢ Daily and emergency updates • Security Maintenance: ➢ 24/7 Security Update Service ➢ Real-time and History reports of Bandwidth usage per policy ➢ Protocol anomaly detection ➢ IPS attack pattern obfuscation ➢ User role based policies ➢ User based application policy enforcement ➢ Provision for external bypass switch

	Fire walls hall have a file-based antivirus with following feature: • Antispyware • Anti-adware • Anti-key logger • Anti-malware • Antivirus • Anti-spam • Scanning of HTTP, SMTP, IMAP, FTP protocols • Signature database • Integrated enhanced web filtering • Redirect web filtering

Online Web-based Portal and Mobile App:

The Online Web-based Portal and Mobile App are aimed at providing on-the-go access to various services and facilities available in BBMP. Both will serve as windows of information about Parking Infrastructure at BBMP and as a platform to deliver services online while providing an avenue to disseminate information on Parking facilities and present status to citizens.

Mobile App-Functional &Technical Requirements (To be linked with BBMP website/portal):

Functional Requirements	Technical Requirements
i. All applications, content, data, and information related to the App and users should be securely hosted and saved in the Data Centre. ii. Free to download and use for all citizens, guests and visitors. iii. Should be light, intuitive, easy to use, responsive, secure and easy to maintain. iv. Compatible with and responsive to all leading smart phones on Wi-Fi, GSM and CDMA networks. v. Operating System (OS) should be independent and available on all major OS platforms including iOS, Android, Windows, Symbian and Blackberry. vi. Development of the app to be undertaken on Open Platform, if new mobile OS is introduced in future. vii. As and when required, up gradation of the App, in line with the evolvement of mobile OS. viii. Appropriate tags should be built-in the introduction text and content of the Smart App and Portal so that they are displayed in the top search results. ix. Updation and management of	i. Shall be developed in an open platform ii. Should be scalable and technically adaptable to future enhancements iii. Should be published and released in all the major platforms including iOS, Android, Blackberry, Symbian and Windows. iv. Should support Unicode and be multilingual in at least English and Hindi v. Should be easy to update as some data will be updated daily. Ability to collect data with high volume, velocity, and variety. vi. Should track GPS location of the user device. vii. Should provide accurate mapping and navigation services. viii. Collect data categorically without impacting citizen’s privacy issues ix. Live feed of parking lots and number of free spaces should be provided to app. x. App should confirm acceptance of payment and reserve/cancel the parking lots accordingly.

	information and content, including information related to Smart Parking initiatives, on the Mobile App throughout the concession period.	xi. Shall be SSL (Secured Socket Layer) compliant.
Online Portal – Functional & Technical Requirements (To be linked with BBMP website/portal):		
ix. Should have workflow capabilities with regard to the content approval and publishing process. x. Provisions to track and generate web traffic reports for Portal administrators		domain. xv. Shall adhere to W3CAG, GIGW, and G.O.I guidelines

Mobile App and Web Portal–Required Features and Functionalities

All the requirements, features, and functionalities listed below, but not limited to, should be available by the Developer on both the app and the web portal.

a) Citizen registration

i. One-time online registration to be done and stored in the data center.

ii. Terms of service to be accepted by the user prior to log-in

b) Parking Guidance System

i. Current GPS location determined.

ii. User enters final destination.

iii. Nearest available parking spaces are shown using maps in decreasing order of distance, the rates of each parking applicable at that time shall also be displayed and if user decides to reserve it, reservation is done with payment done from e-wallet/ payment gateway or any other method defined in the RFP.

iv. Number of vacant parking slots in a particular parking on map should also be shown to user.

v. User should be able to locate alternate route and parking lot after seeing the traffic congestion either by Online Web-based Portal or third party portal.

vi. Limit set on the advance time for online reservation of parking slot (24hrs).

vii. User can take monthly pass for indoor parking only.

viii. Online cancellation for the spot should also be provided in case of online reservation.

c) Integration with Third Party Services and Apps:

i. The Developer has to ensure that the App can integrate and interface with popular and established third party services and applications (private or public) that wish to integrate with Mobile App, upon approval from BBMP.

ii. The App should integrate with and allow payments through the selected third part shared services for Payment Gateway and e-Wallet.

iii. The App should have provisions to integrate with Emergency Response services.

iv. The parking application should be integrated with the BBMP app / Web portal in near future with the approval of BBMP.

d) Frequently Asked Questions (FAQs) and Contact Details of different offices of BBMP:

i. The App should have a section detailing frequently Asked Questions (FAQs) related to Smart initiatives and their related responses.

ii. The section should also provide contact information of Helpdesk Customer Service for parking problems, if any.

e) Settings:

i. User should view version and details of the App

ii. User should have the option to toggle between sending current GPS data to server or not.

iii. User should have the option to select a specific button on their cell phone to

set as SOS short-cut, when pressed and help continuously for a certain amount of time.

iv. User should be able to toggle whether or not to send anonymous user data that can be helpful in fixing bugs or solving crashes.

v. User should be able to select notification settings.

vi. User should be able to select app notifications to be displayed on the home/locked screen.

vii. User should have ability to enable/disable sound alerts

f) Feedback/Complaint/Suggestion:

i. User should able to give their suggestions/ feedback/ complaint through the portal/app

ii. User should Able to track their complaint status

iii. Generation of reports on various types of complaints.

g) Officers Login

i. User should be able to search the vehicle on real time basis.

h) Booking/Payment of Parking Lot

i. Users should be able to book the ticket through the app.

ii. Pre-booking of the vacant lot should also be made available for the citizens

Real-time Monitoring and Dynamic MIS Reporting:

i. Parking Management System shall include central reporting system establishing the connection between the devices and sensors and the Central Control Center.
ii. Solution shall include reporting dashboards with location specific thresholds to be set for generating customized reports
iii. Shall be capable of monitoring the number of vehicles entering/ exiting the parking premises during any given time
iv. Shall generate real time reports for each parking spot, in each of the parking lots capturing utilization, revenues, status of assets and personnel. These reports should be available in all standard acceptable formats like .csv, .pdf, .txt, .xls etc.
v. Ensure analytics on the following the matic areas:

- Enforcement–Daily report on violations
- Peak parking demand on hourly basis at each parking lot;
- Daily, weekly, monthly, quarterly and yearly average occupancy at each parking lot;
- Average time of occupancy;
- Revenue trends daily, weekly, monthly, quarterly and annual

IT Security:

Developer shall Undertake all measures for Cyber security, protection of information and communication technology systems of this Project from cyber-attacks that are purposeful attempts by unauthorized persons to access ICT systems in order to achieve the target of theft, disturbance, damage, or other illegal actions. The Private Operator shall detect, analysis and do mitigation of vulnerabilities and protect Central Control Centre including Data Centre from

cyber-attacks throughout the Contract Period. The developer should have to include the latest gen firewall, IPS/IDS etc as safety measure to ensure the proper security of the data center and all associated software's.

Parking Software Supply, Installation, and Testing & Commissioning of parking management system–Centralized Reporting & Management software with following features:

i. Shift reports including Operator name, Shift number and Shift wise traffic &transaction details
ii. Traffic Report both in summary and detailed formats
iii. Transaction details, time wise, period wise and shift wise
iv. Systems Reports including Gate Statistics, System Runtime, and System Reboot.
v. Daily &Monthly Summaries
vi. Other reports as per requirement of BBMP for efficient management

Centralized Reporting & Management software: Supply, Installation, Testing & Commissioning of Parking revenue control / Billing & payment collection software:

i. Automatic Fee Computation based on either Fixed or Hourly plans. Provision for different tariff plan for different parking lots.
ii. Provision for user name and Passwords to restrict use to authorized persons only.
iii. Separate provisioning for Administrator and for General User
iv. Flexibility of Housekeeping within the software, which shall include Re-indexing,
v. Deleting, Backup & Restoration of Data
vi. There shall be a provision that new entries to the car park are not permitted in case of the full occupancy of the Car Park
vii. Unique Identity for each transaction shall be created
viii. There shall be a provision to auto-capture images of cars at entry. Further there shall be a provision of storing such images with the unique identity, within the system and to recall the same at exit.
ix. Provision for pre-booking of parking space with flexibility of different or same charges for pre-booking, provision for cancellation of pre-booking, some percentage of charges for previous hours before actual booking hours.

Software for implementation of PMS:

i. Shall be implemented in the Integrated Industry Standard Open Platform to manage, monitor and control the Smart parking initiative.
ii. Shall monitor and configure all devices with respect to parking (sensors, displays etc.)
iii. Shall control the system functionality and enable remote monitoring from other computers.
iv. Shall provide capability to create full report of exact location with respect to floors, areas, levels, etc. Shall be customizable and able to update the parking lot occupancy and entry/ exit of vehicles in real time.
v. Shall provide real time status of all system components.
vi. Shall report alarms/ notifications when devices are un-connected; in the case of any equipment failure, on-screen alarm is displayed/ notified at the central control centre.
vii. Should issue notifications if a car is abandoned after the requisite period of

time.

viii. Shall provide full graphical plan information of the car park with exact locations.
ix. Shall allow download of the information and configuration of fields for maintenance purpose.
x. Shall have built in tools for third party integration to obtain real time information.
xi. Shall provide access at user levels with passwords.
xii. Shall have historic log for available spaces, period of time.
xiii. The software should be able to handle manual overriding of available spaces, special parking requirements for reserved spaces and handicapped lots.
xiv. Shall manage energy saving of the car parks according to car park occupation.
xv. Shall reduce brightness of light indicators manually or automatically according to occupation.
xvi. Shall monitor any CCTV camera with IP connection.
xvii. Shall monitor electricity consumption, voltage, energy and harmonics.

Central Control Room/ Helpdesk

The central control room/ helpdesk will be the nodal point of availability of all online data and information related to smart sensors based Parking solution and connected to BBMP network of services. It shall consist of the following:

i. Centralized System with video wall f o r live monitoring.
ii. Equipment health monitoring and generates alerts.
iii. Centralized data storage and its management.
iv. Integration with Third Party Shared Services.
v. Online backup of all data in.
vi. Public Complaint Handling (non-working of app, portal, transaction failure etc.)

Central Control Centre shall be established with all hardware, software and network infrastructure including switches, firewall, routers, storage servers, application servers, video-wall and other necessary equipment. The same shall be operated & maintained by the Developer throughout the concession period.

CCTV Based Surveillance solution for all Parking lots:

CCTV based surveillance solution enable BBMP to plan events, monitoring of Infrastructure, encroachments etc. It helps in enforcement of law, monitoring of public areas, analyse patterns, and track incidents enabling quicker response and other following attributes:

- Help for more effective operations
- Quicker response to incidents
- Increased situational awareness
- Increased attractiveness to businesses and workers
- Improved planning and resource allocation
- Improved communications about incidents

CCTV based Surveillance Cameras should cover areas of all parking lots given in RFP document. CCTV feed for 30 days will be kept in a local server in individual parking lots or combination of two or more parking lots. FTTH, MPLS based network with suitable b and width shall be provided at each parking lots to view the online CCTV footage from the central control room. Applicants will be responsible for design and engineering of all the network components for the live CCTV feed and analytics to the central control centre, to meet functional

requirement of project with suitable software interface both at back end and frontend and facility for storage of Camera feed up to 30days. Number of cameras to to be installed shall be as per site requirement so that complete area of all parking lots shall be covered by these CCTV cameras and all parking slots shall be separately identifiable through these CCTV cameras. Additionally one lane all-around parking lot beyond parking area shall also be covered so that unauthorized parking near parking lot can be identified.

Two Wheelers parking:

Camera-sensor based identification can also be proposed for two wheeler parking in the mentioned parking locations the camera having features for identification of two wheelers will be installed by the Developer. The online Updation shall be available at the central server, CCC of BBMP and Mobile App.

i. Camera based parking occupancy detection system with capability of outdoor and indoor based two wheeler occupancy detection.
ii. Shall provide reliable detection within 20 seconds of two wheeler parking/ un-parking event occurrence.
iii. Shall support all weather operations – day/ night/ rain/ fog with reliable detection better than 80% (clear weather 90% reliability).
iv. Shall be connected online with central control centre.

Training & Capacity Building:

Training & Capacity Building–Scope of Work

The purpose of this section is to define the scope of work for training and capacity building to be implemented at various levels namely:

a) Employees of BBMP officials.

b) The developer's scope of work also includes preparing the necessary documentation and aids required for successful delivery of such trainings.

c) The details provided in this section are indicative and due to the complex nature of the project the number of training sessions may increase. Over and above the team considered for performing the training as detailed in subsequent sections,

d) Developer will develop a training and capacity building strategy that will also include a detailed plan of implementation.

e) Developer will get the Training and capacity building strategy including training material finalized with City SPV before starting the training programs.

f) Developer will prepare all the requisite audio/visual training aids that are required for successful completion of the training for all stakeholders.

Maintain and Hand over System Documentation

Maintain and Handover System Documentation to the BBMP: Developer shall maintain at least the following minimum documents with respect to the Smart Parking Management System:

i. High level /Low Level design of whole system

ii. System requirements Specifications(SRS)

iii. Any other explanatory notes about system

iv. Trace ability matrix

v. Compilation environment

Developer shall also ensure Updation of documentation of software system ensuring that:

i. Source code is documented and provided to BBMP /BBMP

ii. Functional specifications are documented

iii. Application documentation is updated to reflect on-going maintenance and enhancements including FRS and SRS, in accordance with the defined standards

iv. User manuals and training manuals are updated to reflect on-going changes / enhancements.

Sl No **Tentative Specifications (**Service provider may submit any other improvised specifications for enhancement of services, subjected to acceptance by BBMP**)**

Equipments for MLCP PGMS Components

13 Entry / Exit Boom Barrier Gate

A boom barrier, also known as a boom gate, is a bar, or pole pivoted to allow the boom to block vehicular or pedestrian access through a controlled point. Typically the tip of a boom gate rises in a vertical arc to a near vertical position. Boom gates are often counterweighted, so the pole is easily tipped. Boom gates are often paired either end to end, or offset appropriately to block traffic in both directions. Some boom gates also have a second arm which hangs 300 to 400 mm below the upper arm when lowered, to increase approach visibility, and which hangs on links so it lies flat with the main boom as the barrier is raised. Some barriers also feature a pivot roughly half way, whereas the barrier is raised, the outermost half remains horizontal, with the barrier resembling an upside-down L when raised.

Support external and built in ground sense, aluminum alloy metal corrosion resistant 1.5-2mm thick, brushless DC movement, chasis made of steel plate treated with Orange colour high grade automotive paint to prevent corrosion and fading. Change over from power supply to UPS to manual, insulation class F, protection level IP 44.

Barrier Boom Arm Length	Maximum3.5m
Opening/closing time	1.5s
Duty cycle	100%
No. of digital inputs	4
No. of relays/digital outputs	4
Boom Arm	Folding boom with Breakaway flange with sensor to detect
MTBF	10 million cycles
Enclosure rating	IP54
Enclosure Type	The Barrier Cabinet and Boom should have finished with an anti-corrosion paint system. The Barrier gate control system shall be located inside the main Barrier Cabinet and should give easy access to all electrical components for connection, maintenance and programming, including the power isolation switches
Safety Sensor	The Barrier gate should have infrared sensors to detect the presence of human, vehicle and other object for extra safety.

Temperature range 0□Cto+55□C.

14 ANPR Camera

Automatic Number Plate Recognition Camera of 2MP

Dimensions: Body : 121.5mm x 109mm x 231mm, Support : 160mm(L)
Power supply: AC24V (± 10%) PoE + (IEEE 802.3)
Consumption: 15W (PoE +, 17W)
CPU: Embedded soc arm11, 528MHZ, 256MB DDR2, 256Mb Flash memory.
Firmware: Firmware update via HTTP.
Supported Operating Systems: Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8.
Browser: Windows Internet Explorer 6.0 or higher.
CPU Requirements: Intel pentium 4 1.8GHz or higher.
RAM Requirements: 1GB or higher, standalone graphics card.
Mobile: Supports iPhone, iPad and Android
Supports SD / SDHC card for cyclic recording.
Operating temperature: -40 ℃ to 50 ℃.
Alarm Inputs / Outputs: 1 digital input (TTL, +3 to 5VDC) / 1 output (MOS relay contact to N.O., max. 40VDC / 300mA load)

Sensor: 1 / 2.8 “3.23MP CMOS
Focal length: 2.8-12 mm (Zoom / motorized)
1 / 2.8 “CMOS Image Sensor
Diaphragm: F1.4
Viewing Angle: 91.2 ° to 25.5 ° (H), 68.4 ° to 19.1 ° (V), 114 ° to 31.9 ° (F)
Ø92 heat resistant glass
Progressive Scan
Maximum wavelength: 850nm
IR Cut Filter: Automatic / Program / Day (Color) / Night (Mono)
Minimum illumination: 0.02 Lux to F1.4 (low light mode) / 0 Lux with IR LED On
White Balance: Auto / Tungsten / Interior / Fluorescent1 / Fluorescent2 / Exterior1 / Exterior2
Backlight Compensation: Off / On
Shutter speed: 1/30 (1/25) s to 1 / 8000s

Video Protocol / Video Compression: RTP / HTTP, RTP / TCP, RTP / UDP, Multicast
Protocols: IPv4, IPv6, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour
Channels: CVBS 1.0Vp-p, 75 ohm, BNC Connector
Encryption: Base64 HTTP Encryption
Access: Multi-user access levels with password protection IP filter
Multiple IP Addresses
Up to 8 simultaneous users
Network Interface: 10Mbps / 100Mbps Base-T, RJ-45
RTSP Authentication: On / Off
IP protection: IP66

Video compression: H.264, JPEG
Bit rate: 128Kbps to 8Mbps. Frame rate in controllable bits on the fly. Supports VBR / CBR / GOP

15 Entry Ticket Dispenser / QR Code Unit

Display :	DisplayshallbeLCDcolourgraphicsuserdefinabledisplay240x 160pixelstypewithdamageresistantlenscapableofdisplayinggraphics andimages.
Ticket	Dispenserpaperrollcapacityshallbeatleast5,000 tickets per roll and

Capacity :	shall have a built-in photo sensor to give paper roll low level indication.
Printing technology :	The Dispenser shall have built-in high speed ticket printer based on thermal technology and able to print tickets with text and graphics including QR code. Tickets issued shall be cut with a self-sharpening ticket cutter
Printing Speed :	The print speed shall not be less than 150mm/s for both text and graphic and at a minimum resolution of 200 dpi (8dots/mm).
Communication :	Dispenser controller device shall communicate over Ethernet with the Central Server. No proprietary RS485 cabling or other proprietary system is allowed for communication to dispenser
Interface :	Dispenser controller shall support USB, Serial, and RS-232communication mediums to add on devices. Dispenser controller shall have additional inputs and outputs assignable tofunctionslikeopen/closedsignrelaysforbarriergatesandindicationlightsoperation.
Controller :	The Dispenser Control unit shall include CPU, input/output terminals, and power supply and logic board for display.
Environmental :	All dispensers shall come with standard equipment such as heater and cooling fan using a thermostatic controller to ensure a reasonable operating temperature for components in various weather conditions. Humidity range is up to 90% non-condensing.
Enclosure :	The Dispenser shall have Front/ Rear door for easy access for ticket loading and logic board access. The Dispenser housingshallbeatleastIP54.
Operating Temperature :	The Dispenser shall haveoperatingtemperaturerangeof0□Cto +55□C.

16 Entry / Exit Fixed CCTV Cameras

Same as Sl No. 1

17 Parking Controller cum Operator Console & Command centre.

Same as Sl No. 7

18 Thermal Receipt Printer

Same as Sl No. 2

19 QR Code Reader

Same as Sl No. 3

20 Parking Availability LED Display Board

Function	PIS shall be used to display information to users at each multi-level parking station for the vacant slots.
Display lines	Type A:Mounted outside MLP area indicate vacant parking lots on each floor to the users shall have single line with 15 Characters (Alphanumeric) each for the all the respective floors.
	Type B: Mounted at designated locations on each floor to indicate vacant lots for that particular floor shall have single linewith15Characters(Alphanumeric)each
Color	Multi color
Language	The display units shall support multi-lingual fonts in English and Kannada for easy reading.
Character height	60mmatleast
Weight	Shallbelessthan2.0kg
Type of protection	IP66

Temperature	0°Cto+55°C.
Power Supply Requirement	240Vacat20W
LED type	Ultra bright All nGaPLEDs 8000mcdat20mA,300viewingangle Suitable for outdoor condition under bright sunlight
Viewing distance	>50meters
Communication Interface	RS232andEthernet
Reliability And maintainability	MBTF:100000hours MTTR:15min.
Self-Diagnostics	The display systems shall have built-in test facility, able to carry out self- check at periodic intervals as well as exchange of diagnostic information from the parking management central system including power availability, and its current status.

21 MLCP / Off-Street Local Server including the OS and Database License (As per Bidder's Solution)and accessories

Make	HP/Dell/Lenovo
Form factor/height	Tower
Processor	Intel®7thgenerationCore™i7-7700Processor(3.60GHzBaseFrequency/ ClockSpeed,4MCache,4core) orhigher
Motherboard	IntelQ150chipsetorbetter
Memory	16GB RAM,DDR4,Shallbeexpendableto32GB
RAID Controller	RAIDcontrollerwithRAID-0,1and5support
Network	4GigabitEthernetNIC
Ports	2RS232, 1RS485
Network interface controller(NIC) Trusted platform module(TPM)	LPT-Parallel
PCIe3.0Expansion slots(x16/x8)	Total6USBports(min.2atfront) withatleast2USB3.0
USB ports	HDMI/DVI
WiFi	Intel ®Wireless–N72602AC 802.11ac,2x2,2.4GHz/5GHz+Bluetooth®4.0
Storage	Usable 2TBSAS/SATAorBetterwithRAID-0
Monitor	18.5”or higher wide screen LED Backlit based TFTs, Resolution–1366X 768or better, TCO Displays 5.0 certified or better monitor should be of same make of offered PC Brand.
Input inter face	Keyboard and Mouse(Same make of PC)
Operating System	OperatingSystemshallbeLicensedversionof64bitlatest versionofLinux/Unix/ Microsoft®WindowsbasedOperatingsystem

22 Handheld Terminal Ticket Machine(POS)

Same as Sl No. 4

23 **GSM / GPRS connectivity from Hand held to BBMP Datacenter**

24 **Connectivity between Off-street Parking Lot to BBMP Data center**

Both Network and cloud method.

25 **OnlineUPSwith6 hour backup(As per Bidder's Solution)**

26 **PGMS Application Software for MLCP**

Centralized Dashboard for Manager/Control Room;
Centralized dashboard containing the data from all Gates in one place.;
Display basic metrics like :-
Total vehicles in a day/week/month,
Vehicles currently present inside,
Traffic movement;
Records can be view in tabular format for any day, week or month;
Analytics section includes record analyzed in the form of graph on daily, weekly and monthly basis; Complete details of the Vehicles;
Entry/Exit time;
Type of vehicle owned Vehicle number / tag ID/ name of person etc;
Dashboard contain the provision for debarring the Park+ TAG if people leaves the society or for any unwanted Vehicle;
Can generate notification on Guard App if any commercial vehicle (Ola/ Uber) stayed for overtime inside premise;

27 **Web Portal & Parking Mobile App for Consumers**

28 **PGMS Server including the O Sand Data base License(As per Bidder's Solution)**

29 **Any other item which service provider feel essential for scope of work ……**